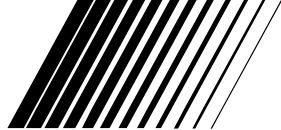


JVC

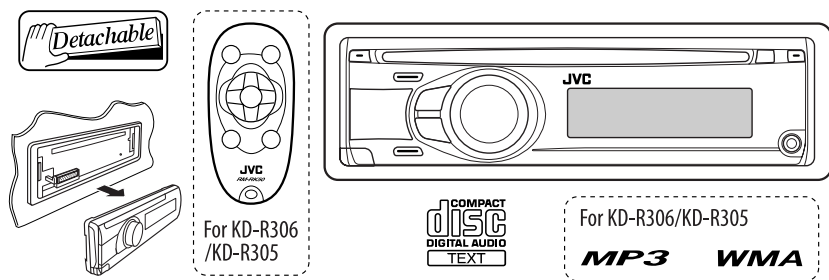


ENGLISH

ไทย

CD RECEIVER KD-R306/KD-R305/KD-R206/KD-R205

เครื่องเล่น CD KD-R306/KD-R305/KD-R206/KD-R205



For canceling the display demonstration, see page 7.

ดูที่หน้า 7 เพื่อยกเลิกการสาธิตภาพประกอบ

For installation and connections, refer to the separate manual.

กรุณาดูคู่มือที่แยกต่างหาก ในการติดตั้งและการเชื่อมต่อ

INSTRUCTIONS

คำแนะนำ

GET0564-001A
[U/UH]

Thank you for purchasing a JVC product.

Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED OUTSIDE THE UNIT.

CAUTION VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN, DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC60825-1:2001 (ENG)	ATTENTION RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M UNE FOIS OUVERT. NE PAS REGARDER DIRECTEMENT AVEC DES INSTRUMENTS OPTIQUES. (FRA)	AVISO RADIACION LASER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO ESTA ABIERTO, NO MIRAR DIRECTAMENTE CON INSTRUMENTAL OPTICO. (ESP)	WARNING SYNLIK OCH/ELLER OSYNLIG LASERSTRÅLNING, KLASSE 1M, NÄR DENNA DEL ÄR ÖPPNAD. BETRÄKTA EJ STRÅLEN MED OPTISKA INSTRUMENT. (SWE)	注意 ここを開くと有害な 光線が放出される可 能なレーザー放射が あります。 光学機器で直接 見ないでください。 (JPN)	CAUTION VISIBLE AND/OR INVISIBLE CLASS II LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. FDA 21 CFR (ENG)
--	--	---	--	--	--



[European Union only]

For safety...

- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

Temperature inside the car...

If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

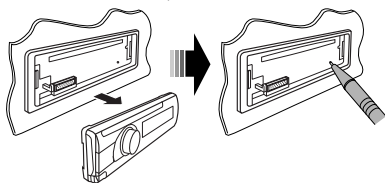
Warning:

If you need to operate the unit while driving, be sure to look around carefully or you may be involved in a traffic accident.

Caution on volume setting:

Discs produce very little noise compared with other sources. Lower the volume before playing a disc to avoid damaging the speakers by the sudden increase of the output level.

How to reset your unit



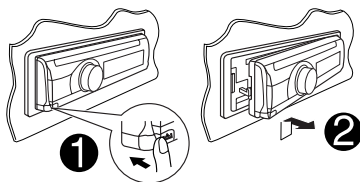
- Your preset adjustments will also be erased.

How to forcibly eject a disc

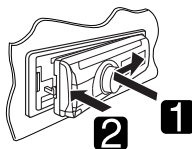


- Be careful not to drop the disc when it ejects.
- If this does not work, reset your unit.

Detaching the control panel



Attaching the control panel



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Basic operations.....	4
• Using the control panel.....	4
• Using the remote controller (RM-RK50).....	6
Preparation.....	7
Listening to the radio.....	8
Disc operations.....	9

EXTERNAL DEVICES

Listening to the other external components.....	10
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SETTINGS

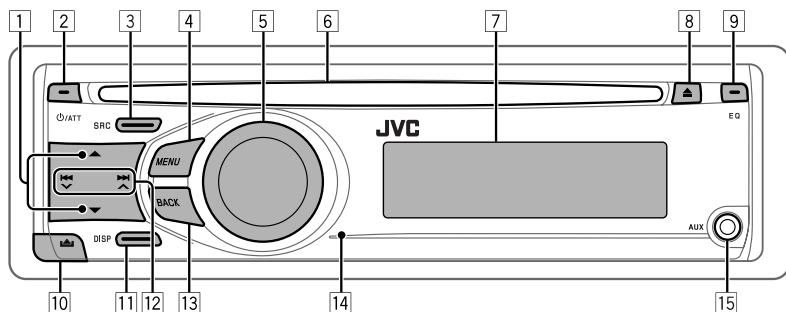
Selecting a preset sound mode	11
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Basic operations

Using the control panel



- 1 • **FM/AM**: Select preset station.
• **CD**: Select folder (for KD-R306/KD-R305).
- 2 • Turn on the power.
• Attenuate the sound (if the power is on).
• Turn off the power [Hold].
- 3 Select the source.
FM → **AM***¹ → **CD***² → **AUX IN***¹ → (back to the beginning)
- 4 • Enter list operations.
• Enter Menu setting [Hold].
- 5 • Control the volume or selection [Turn].*³
• Confirm the selection [Press].*³
• **FM**: Enter SSM preset mode [Hold].*³
• **CD**: Enter playback mode [Hold].*³
- 6 Loading slot
- 7 Display window

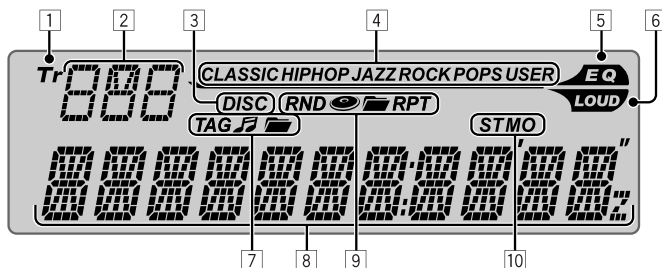
- 8 Eject disc.
- 9 Select the sound.
- 10 Detach the panel.
- 11 Change the display information.
- 12 • **FM/AM**: Search for station.
• **CD**: Select track.
- 13 Return to the previous menu.
- 14 Remote sensor (for KD-R306/KD-R305)
- 15 AUX (auxiliary) input jack

*¹ You cannot select these sources if they were disabled in the Menu (see "Menu operations" on page 14).

*² You cannot select "CD" as the playback source if no disc is in the unit.

*³ Also known as "Control dial" in this manual.

Display window

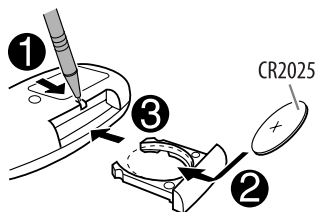


- | | |
|---|--|
| <ul style="list-style-type: none"> 1 Tr (track) indicator 2 Source display / Track number / Folder number / Time countdown indicator 3 DISC indicator 4 Sound mode indicators—CLASSIC, HIP HOP, JAZZ, ROCK, POPS, USER 5 EQ (equalizer) indicator 6 LOUD (loudness) indicator | <ul style="list-style-type: none"> 7 Disc information indicators (for KD-R306/ KD-R305)—TAG (Tag information), (track/file), (folder) 8 Main display 9 Playback mode / item indicators—RND (random), (disc), (folder), RPT (repeat) 10 Tuner reception indicators—ST (stereo), MO (monaural) |
|---|--|

Using the remote controller (RM-RK50)

RM-RK50 is supplied only for KD-R306/KD-R305

Installing the lithium coin battery (CR2025)



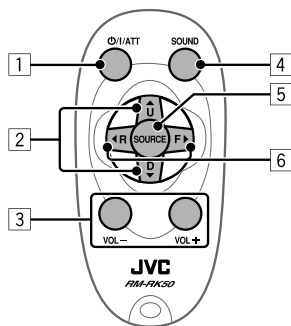
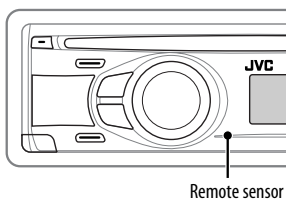
Caution:

- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- Battery shall not be exposed to excessive heat such as sunshine, fire, or the like.

If the effectiveness of the remote controller decreases, replace the battery.

Before using the remote controller:

- Aim the remote controller directly at the remote sensor on the unit.
- DO NOT expose the remote sensor to bright light (direct sunlight or artificial lighting).



- 1 • Turns the power on if pressed briefly or attenuates the sound when the power is on.
- Turns the power off if pressed and held.
- 2 • Changes the preset stations.
- Changes the folder of the MP3/WMA.
- 3 Adjusts the volume level.
- 4 Selects the sound mode.
- 5 Selects the source.
- 6 • Searches for stations if pressed briefly.
- Fast-forwards or reverses the track if pressed and held.
- Changes the tracks if pressed briefly.



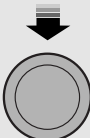
Warning (to prevent accidents and damage):


- Do not install any battery other than CR2025 or its equivalent.
- Do not leave the remote controller in a place (such as dashboards) exposed to direct sunlight for a long time.
- Store the battery in a place where children cannot reach.
- Do not recharge, short, disassemble, heat the battery, or dispose of it in a fire.
- Do not leave the battery with other metallic materials.
- Do not poke the battery with tweezers or similar tools.
- Wrap the battery with tape and insulate when throwing away or saving it.

Preparation

■ Cancel the display demonstration and set the clock

- See also page 13.

1	 ○/ATT	Turn on the power.
2	 [Hold]  [Turn] → [Press]	Cancel the display demonstrations Select "DEMO," then "DEMO OFF." Set the clock Select "CLOCK" → "CLOCK SET." Adjust the hour, then press control dial once to proceed to adjust the minute. <ul style="list-style-type: none"> • To return to the previous menu, press BACK.

DISP 	When the power is turned off: Check the current clock time when "CLOCK DISP" is set to "CLOCK OFF," (see page 13) When the power is turned on: Change the display information of the current source
FM/AM	Station name*1 → Frequency → Clock → (back to the beginning)
CD	Audio CD/CD Text: Disc title/performer*2 → Track title*2 → Current track number with the elapsed playing time → Current track number with the clock time → (back to the beginning) MP3/WMA*4: Album name/performer (folder name)*3 → Track title (file name)*3 → Current track number with the elapsed playing time → Current track number with the clock time → (back to the beginning)


*1 If no title is assigned to a station, "NO NAME" appears. To assign a title to a station, see page 12.

*2 If the current disc is an audio CD, "NO NAME" appears.

*3 KD-R306/KD-R305: If an MP3/WMA file does not have Tag information or "TAG DISPLAY" is set to "TAG OFF" (see page 13), folder name and file name appear.

*4 For KD-R306/KD-R305.

Listening to the radio

1	SRC 	Select "FM" or "AM."
2		Search for a station to listen—Auto Search. Manual Search: Hold either one of the buttons until "M" flashes on the display, then press it repeatedly. <ul style="list-style-type: none"> When receiving an FM stereo broadcast with sufficient signal strength, "ST" lights up on the display.

■ When an FM stereo broadcast is hard to receive

- See also page 14.



[Hold]

[Turn] → [Press]

Select "TUNER" → "MONO"
→ "MONO ON"

Reception improves, but stereo effect will be lost.

- "MO" lights up on the display.

To restore the stereo effect, repeat the same procedure to select "MONO OFF." The MO indicator goes off.

■ FM station automatic presetting —SSM (Strong-station Sequential Memory)

You can preset up to 18 stations for FM.

1 While listening to a station...



[Hold]

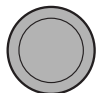
2 Select the preset number range you want to store.



[Turn]

SSM 01–06 ↔ SSM 07–12 ↔ SSM 13–18

3



[Press]



Local FM stations with the strongest signals are searched and stored automatically.

To preset other 6 stations, repeat from step 1 again.

■ Manual presetting (FM/AM)

You can preset up to 18 stations for FM and 6 stations for AM.

Ex.: Storing FM station of 92.50 MHz into preset number "P04."

1



2 Select preset number "P04."



[Turn]

3



[Hold]



Selecting preset station


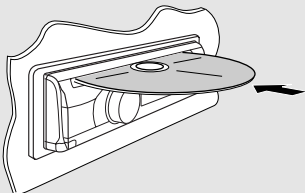


or



[Turn] → [Press]

Disc operations

1		Turn on the power.
2		Insert a disc. All tracks will be played repeatedly until you change the source or eject the disc.

Stop playing and ejecting the disc



- "NO DISC" appears.
Press SRC to listen to another playback source.

Prohibiting disc ejection



+
[Hold]



To cancel the prohibition, repeat the same procedure.



Selecting a track/folder



[Turn] → [Press]

- KD-R306/KD-R305: For MP3/WMA discs, select the desired folder, then the desired track by performing the control dial.
- To return to the previous menu, press BACK.



Pressing (or holding) the following buttons allows you to...


	KD-R306/KD-R305 MP3/WMA: Select folder
	[Press] Select track [Hold] Reverse/fast-forward track

Continued on the next page

Selecting the playback modes

You can use only one of the following playback modes at a time.

- 1  [Hold]
- 2  [Turn] → [Press]

REPEAT ↔ RANDOM
- 3  [Turn] → [Press]

REPEAT

TRACK RPT : Repeats current track

FOLDER RPT* : MP3/WMA: Repeats current folder

RANDOM

FOLDER RND* : MP3/WMA: Randomly plays all tracks of current folder, then tracks of next folders

ALL RND : Randomly plays all tracks


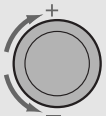
- To cancel repeat play or random play, select **"RPT OFF"** or **"RND OFF."**
- To return to the previous menu, press BACK.

* For KD-R306/KD-R305.

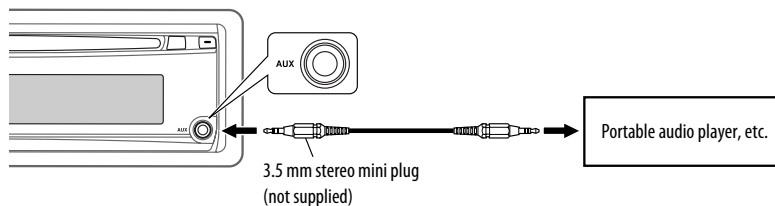
Listening to the other external components

You can connect an external component to AUX (auxiliary) input jack on the control panel.

Preparation: Make sure "AUX ON" is selected in the "SRC SELECT" → "AUX IN" setting, see page 14.

1	SRC 	Select "AUX IN."
2	—	Turn on the connected component and start playing the source.
3	 [Turn]	Adjust the volume. You can adjust the auxiliary input level to avoid the sudden increase of the output level (see "AUX ADJUST" on page 14).
4	—	Adjust the sound as you want (see page 11).

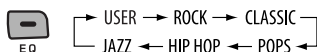
Connecting an external component to the AUX input jack



Selecting a preset sound mode

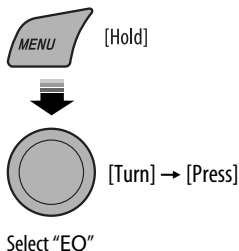
You can select a preset sound mode suitable to the music genre.

- See also page 13 ("EQ").



— or —

Selecting from Menu.



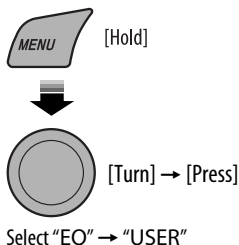
Preset value setting for each sound mode

Preset values	BASS	TREBLE	LOUD
Indication (For)			
USER (Flat sound)	00	00	OFF
ROCK (Rock or disco music)	+03	+01	ON
CLASSIC (Classical music)	+01	-02	OFF
POPS (Light music)	+04	+01	OFF
HIP HOP (Funk or rap music)	+02	00	ON
JAZZ (Jazz music)	+02	+03	OFF

Storing your own sound mode

You can store your own adjustments in memory.

1 Select "USER" for "EQ."

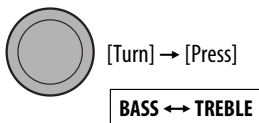


2 While "USER" is shown on the display...



- If no operation is done for about 30 seconds, the operation will be canceled.

3 Select a tone.



4 Adjust the level.

Tone	Level
BASS	-06 to +06
TREBLE	-06 to +06

To return to the previous menu, press BACK.

5 Finish the procedure.



Title assignment

You can assign titles to 30 station frequencies (FM and AM) using 8 characters (maximum) for each title.

1 Select "FM" or "AM."

SRC 

2 Show the title entry screen.

DISP  +  



3 Assign a title.

1 Select a character.



A	B	C	D	E	F	G
H	I	J	K	L	M	N
O	P	Q	R	S	T	U
V	W	X	Y	Z	0	1
2	3	4	5	6	7	8
9	-	/	<	>	space	

2 Move to the next (or previous) character position.



3 Repeat steps 1 and 2 until you finish entering the title.

4 Finish the procedure.





To erase the entire title

In step 2 above...



Menu operations

1  [Hold]	2  [Turn] → [Press]	3 Repeat step 2 if necessary. <ul style="list-style-type: none"> To return to the previous menu, press BACK.
---	---	--

Initial: **Underlined**

Category	Menu items	Selectable settings, [reference page]
DEMO	DEMO Display demonstration	<ul style="list-style-type: none"> <u>DEMO ON</u> : Display demonstration will be activated automatically if no operation is done for about 20 seconds, [7]. <u>DEMO OFF</u> : Cancels.
CLOCK	CLOCK DISP *1 Clock display	<ul style="list-style-type: none"> <u>CLOCK ON</u> : Clock time is shown on the display at all times when the power is turned off. <u>CLOCK OFF</u> : Cancels; pressing DISP will show the clock time for about 5 seconds when the power is turned off, [7].
	CLOCK SET Clock setting	: Adjust the hour, then the minute, [7]. [Initial: 1:00]
EQ	EQ Equalizer	: Select a preset sound mode suitable to the music genre. <u>USER, ROCK, CLASSIC, POPS, HIP HOP, JAZZ</u>
DISPLAY	DIMMER Dimmer	<ul style="list-style-type: none"> <u>DIMMER ON</u> : Dims the display and button illumination. <u>DIMMER OFF</u> : Cancels.
	SCROLL *2 Scroll	<ul style="list-style-type: none"> <u>SCROLL ONCE</u> : Scrolls the displayed information once. <u>SCROLL AUTO</u> : Repeats scrolling (at 5-second intervals). <u>SCROLL OFF</u> : Cancels. Pressing DISP for more than one second can scroll the display regardless of the setting.
	TAG DISPLAY Tag display (For KD-R306/ KD-R305)	<ul style="list-style-type: none"> <u>TAG ON</u> : Shows the Tag information while playing MP3/WMA tracks. <u>TAG OFF</u> : Cancels.

*1 If the power supply is not interrupted by turning off the ignition key of your car, it is recommended to select "CLOCK OFF" to save the car's battery.

*2 Some characters or symbols will not be shown correctly (or will be blanked) on the display.

Continued on the next page

Category	Menu items	Selectable settings, [reference page]
TUNER	MONO ^{*3} Monaural mode	<ul style="list-style-type: none"> • MONO ON : Activate monaural mode to improve FM reception, but stereo effect will be lost, [8]. • MONO OFF : Restore the stereo effect.
	IF BAND Intermediate frequency band	<ul style="list-style-type: none"> • AUTO : Increases the tuner selectivity to reduce interference noises between adjacent stations. (Stereo effect may be lost.) • WIDE : Subject to interference noises from adjacent stations, but sound quality will not be degraded and the stereo effect will remain.
AUDIO	FADER ^{*4} Fader	R06 – F06 : Adjust the front and rear speaker output balance. [Initial: 00]
	BALANCE Balance	L06 – R06 : Adjust the left and right speaker output balance. [Initial: 00]
	LOUD Loudness	<ul style="list-style-type: none"> • LOUD OFF : Cancels. • LOUD ON : Boost low and high frequencies to produce a well-balanced sound at a low volume level.
	AUX ADJUST Auxiliary input level adjustment	AUX ADJ 00 — AUX ADJ 05 : Adjust the auxiliary input level to avoid the sudden increase of the output level when changing the source to external component connected to the AUX input jack on the control panel.
	BEEP Keypress tone	<ul style="list-style-type: none"> • BEEP OFF : Deactivates the keypress tone. • BEEP ON : Activates the keypress tone.
	AMP GAIN ^{*5} Amplifier gain control	<ul style="list-style-type: none"> • LOW POWER : VOLUME 00 – VOLUME 30 (Select if the maximum power of each speaker is less than 50 W to prevent damaging the speaker.) • HIGH POWER : VOLUME 00 – VOLUME 50
SRC SELECT	AM ^{*6} AM station	<ul style="list-style-type: none"> • AM OFF : Disable "AM" in source selection. • AM ON : Enable "AM" in source selection, [4].
	AUX IN ^{*7} Auxiliary input	<ul style="list-style-type: none"> • AUX OFF : Disable "AUX IN" in source selection. • AUX ON : Enable "AUX IN" in source selection, [4].

^{*3} Displayed only when the source is "FM."

^{*4} If you are using a two-speaker system, set the fader level to "00."

^{*5} The volume level automatically changes to "VOLUME 30" if you change to "LOW POWER" with the volume level set higher than "VOLUME 30."

^{*6} Displayed only when any source other than "AM" is selected.

^{*7} Displayed only when any source other than "AUX IN" is selected.

More about this unit

Basic operations

Turning on the power

- By pressing SRC button on the unit, you can also turn on the power. If the source is ready, playback also starts.

Turning off the power

- If you turn off the power while listening to a track, playback will start from where it had been stopped previously next time you turn on the power.

General

- If you change the source while listening to a disc, playback stops.
Next time you select "CD" as the playback source, playback will start from where it had been stopped previously.
- After ejecting a disc, "NO DISC" appears and you cannot operate some of the buttons. Insert another disc or press SRC to select another playback source.
- If no operation is done for about 30 seconds after pressing MENU button, the operation will be canceled.

Tuner operations

Storing stations in memory

- During SSM search...
 - All previously stored stations are erased and the stations are stored anew.
 - When SSM is over, the station stored in the lowest preset number will be automatically tuned in.
- When storing a station manually, the previously preset station is erased when a new station is stored in the same preset number.

Disc operations

Caution for DualDisc playback

- The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

General

- This unit has been designed to reproduce CDs/CD Texts, and CD-Rs (Recordable)/CD-RWs (Rewritable) in audio CD (CD-DA), MP3/WMA (for KD-R306/KD-R305) formats.
- When a disc is inserted upside down, "PLEASE" and "EJECT" appear alternately on the display. Press ▲ to eject the disc.
- KD-R306/KD-R305: MP3 and WMA "tracks" (words "file" and "track" are used interchangeably) are recorded in "folders."
- KD-R306/KD-R305: While fast-forwarding or reversing on an MP3 or WMA disc, you can only hear intermittent sounds.

Playing a CD-R or CD-RW

- Use only "finalized" CD-Rs or CD-RWs.
- KD-R306/KD-R305: This unit can only play back files of the same type as those detected first if a disc includes both audio CD (CD-DA) files and MP3/WMA files.
- This unit can play back multi-session discs; however, unclosed sessions will be skipped while playing.
- Some CD-Rs or CD-RWs may not play back on this unit because of their disc characteristics, or for the following reasons:
 - Discs are dirty or scratched.
 - Moisture condensation has occurred on the lens inside the unit.
 - The pickup lens inside the unit is dirty.

Continued on the next page

- The files on the CD-R/CD-RW are written using the “Packet Write” method.
- There are improper recording conditions (missing data, etc.) or media conditions (stained, scratched, warped, etc.).
- CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than that of regular CDs.
- Do not use the following CD-Rs or CD-RWs:
 - Discs with stickers, labels, or a protective seal stuck to the surface.
 - Discs on which labels can be directly printed by an ink jet printer.

Using these discs under high temperature or high humidity may cause malfunctions or damage to the unit.

Playing an MP3/WMA disc (for KD-R306/KD-R305)

- This unit can play back MP3/WMA files with the extension code <.mp3> or <.wma> (regardless of the letter case—upper/lower).
- This unit can show the names of albums, artists (performer), and Tag (Version 1.0, 1.1, 2.2, 2.3, or 2.4) for MP3 files and for WMA files.
- This unit can display only one-byte characters. No other characters can be correctly displayed.
- This unit can play back MP3/WMA files meeting the conditions below:
 - Bit rate: 8 kbps — 320 kbps
 - Sampling frequency:
 - 48 kHz, 44.1 kHz, 32 kHz (for MPEG-1)
 - 24 kHz, 22.05 kHz, 16 kHz (for MPEG-2)
 - Disc format: ISO 9660 Level 1/Level 2, Romeo, Joliet, Windows long file name
- The maximum number of characters for file/folder names vary depending on the disc format used (includes 4 extension characters—<.mp3> or <.wma>).
 - ISO 9660 Level 1: up to 12 characters
 - ISO 9660 Level 2: up to 31 characters
 - Romeo: up to 128 characters
 - Joliet: up to 64 characters
 - Windows long file name: up to 128 characters

- This unit can recognize a total of 512 files, 255 folders, and 8 hierarchical levels.
- This unit can play back files recorded in VBR (variable bit rate).
Files recorded in VBR have a discrepancy in the elapsed time display, and do not show the actual elapsed time. In particular, this difference becomes noticeable after performing the search function.
- This unit cannot play back the following files:
 - MP3 files encoded in MP3i and MP3 PRO format.
 - MP3 files encoded in an inappropriate format.
 - MP3 files encoded with Layer 1/2.
 - WMA files encoded in lossless, professional, and voice format.
 - WMA files which are not based upon Windows Media® Audio.
 - WMA files copy-protected with DRM.
 - Files which have data such as AIFF, ATRAC3, etc.
- The search function works but search speed is not constant.

Ejecting a disc

- If the ejected disc is not removed within 15 seconds, it is automatically inserted into the loading slot again to protect it from dust. Playback starts automatically.

Title assignment

- If you try to assign titles to more than 30 station frequencies, “NAME FULL” appears. Delete unwanted titles before assignment.

Menu operations

- If you change the “AMP GAIN” setting from “HIGH POWER” to “LOW POWER” while the volume level is set higher than “VOLUME 30,” the unit automatically changes the volume level to “VOLUME 30.”

Troubleshooting

What appears to be trouble is not always serious. Check the following points before calling a service center.

	Symptoms	Remedies/Causes
General	<ul style="list-style-type: none"> Sound cannot be heard from the speakers. 	<ul style="list-style-type: none"> Adjust the volume to the optimum level. Check the cords and connections.
	<ul style="list-style-type: none"> The unit does not work at all. 	Reset the unit (see page 3).
	<ul style="list-style-type: none"> "AUX IN" cannot be selected. 	Check the "SRC SELECT" → "AUX IN" setting (see page 14).
FM/AM	<ul style="list-style-type: none"> SSM automatic presetting does not work. 	Store stations manually.
	<ul style="list-style-type: none"> Static noise while listening to the radio. 	Connect the antenna firmly.
	<ul style="list-style-type: none"> "AM" cannot be selected. 	Check the "SRC SELECT" → "AM" setting (see page 14).
Disc playback	<ul style="list-style-type: none"> Disc cannot be played back. 	Insert the disc correctly.
	<ul style="list-style-type: none"> CD-R/CD-RW cannot be played back. Tracks on the CD-R/CD-RW cannot be skipped. 	<ul style="list-style-type: none"> Insert a finalized CD-R/CD-RW. Finalize the CD-R/CD-RW with the component which you used for recording.
	<ul style="list-style-type: none"> Disc can neither be played back nor ejected. 	<ul style="list-style-type: none"> Unlock the disc (see page 9). Eject the disc forcibly (see page 3).
	<ul style="list-style-type: none"> Disc sound is sometimes interrupted. 	<ul style="list-style-type: none"> Stop playback while driving on rough roads. Change the disc. Check the cords and connections.
	<ul style="list-style-type: none"> "NO DISC" appears on the display. 	Insert a playable disc into the loading slot.
	<ul style="list-style-type: none"> "PLEASE" and "EJECT" appear alternately on the display. 	Press ▲, then insert a disc correctly.

Continued on the next page

MP3/WMA playback (for KD-R306/KD-R305)

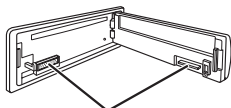
Symptoms	Remedies/Causes
<ul style="list-style-type: none"> Disc cannot be played back. 	<ul style="list-style-type: none"> Use a disc with MP3/WMA tracks recorded in a format compliant with ISO 9660 Level 1, Level 2, Romeo, or Joliet. Add the extension code <.mp3> or <.wma> to the file names.
<ul style="list-style-type: none"> Noise is generated. 	<p>Skip to another track or change the disc. (Do not add the extension code <.mp3> or <.wma> to non-MP3 or WMA tracks.)</p>
<ul style="list-style-type: none"> A longer readout time is required ("READING" keeps flashing on the display). 	<p>Do not use too many hierarchical levels and folders.</p>
<ul style="list-style-type: none"> Tracks do not play back in the order you have intended them to play. 	<p>The playback order is determined when the files are recorded.</p>
<ul style="list-style-type: none"> The elapsed playing time is not correct. 	<p>This sometimes occurs during playback. This is caused by how the tracks are recorded on the disc.</p>
<ul style="list-style-type: none"> The correct characters are not displayed (e.g. album name). 	<p>This unit can only display letters (upper case), numbers, and a limited number of symbols.</p>

- Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Maintenance

How to clean the connectors

Frequent detachment will deteriorate the connectors. To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.



Connectors

Moisture condensation

Moisture may condense on the lens inside the unit in the following cases:

- After starting the heater in the car.
 - If it becomes very humid inside the car.
- Should this occur, the unit may malfunction. In this case, eject the disc and leave the unit turned on for a few hours until the moisture has evaporated.

How to handle discs

When removing a disc from its case, press down the center holder of the case and lift the disc out, holding it by the edges.



- Always hold the disc by the edges. Do not touch its recording surface.

When storing a disc in its case, gently insert the disc around the center holder (with the printed surface facing up).

- Make sure to store discs in cases after use.

To keep discs clean

A dirty disc may not play correctly.

If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.



- Do not use any solvents (for example, conventional record cleaner, spray, thinner, benzene, etc.) to clean discs.

To play new discs

New discs may have some rough spots around the inner and outer edges. If such a disc is used, this unit may reject the disc.



To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

Do not use the following discs:

Single CD (8 cm disc)



Warped disc



Sticker and sticker residue



Stick-on label



Unusual shape



C-thru Disc (semi-transparent disc)



Transparent or semi-transparent parts on its recording area



Specifications

AUDIO AMPLIFIER SECTION		
Maximum Power Output:	Front/Rear:	50 W per channel
Continuous Power Output (RMS):	Front/Rear:	19 W per channel into 4 Ω , 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.
Load Impedance:		4 Ω (4 Ω to 8 Ω allowance)
Tone Control Range:	Bass:	± 12 dB at 100 Hz
	Treble:	± 12 dB at 10 kHz
Frequency Response:		40 Hz to 20 000 Hz
Signal-to-Noise Ratio:		70 dB
Line-Out Level/Impedance:		2.5 V/20 k Ω load (full scale)
Output Impedance:		1 k Ω
Other Terminal:		AUX (auxiliary) input jack, Antenna input

TUNER SECTION		
Frequency Range:	FM:	87.5 MHz to 108.0 MHz
	AM:	531 kHz to 1 602 kHz
FM Tuner	Usable Sensitivity:	11.3 dBf (1.0 μ V/75 Ω)
	50 dB Quieting Sensitivity:	16.3 dBf (1.8 μ V/75 Ω)
	Alternate Channel Selectivity (400 kHz):	65 dB
	Frequency Response:	40 Hz to 15 000 Hz
	Stereo Separation:	30 dB
AM Tuner	Sensitivity:	20 μ V
	Selectivity:	35 dB

CD PLAYER SECTION	
Type:	Compact disc player
Signal Detection System:	Non-contact optical pickup (semiconductor laser)
Number of Channels:	2 channels (stereo)
Frequency Response:	5 Hz to 20 000 Hz
Dynamic Range:	93 dB
Signal-to-Noise Ratio:	98 dB
Wow and Flutter:	Less than measurable limit
For KD-R306/KD-R305:	
MP3 Decoding Format: (MPEG1/2 Audio Layer 3)	Max. Bit Rate: 320 kbps
WMA (Windows Media® Audio) Decoding Format:	Max. Bit Rate: 192 kbps

GENERAL		
Power Requirement:	Operating Voltage:	DC 14.4 V (11 V to 16 V allowance)
Grounding System:	Negative ground	
Allowable Operating Temperature:	0°C to +40°C	
Dimensions (W × H × D): (approx.)	Installation Size:	182 mm × 52 mm × 160 mm
	Panel Size:	188 mm × 58 mm × 6 mm
Mass:	1.3 kg (excluding accessories)	

Design and specifications are subject to change without notice.

Having TROUBLE with operation?

Please reset your unit

Refer to page of How to reset your unit

หากมีปัญหาในการใช้งาน
กรุณากดปุ่มตั้งค่าเริ่มต้นใหม่
กรุณาดูหน้าวิธีตั้งค่าเครื่องใหม่

JVC



JVC KD-R306/KD-R305/KD-R206/KD-R205

Installation/Connection Manual

การติดตั้ง/คู่มือการติดตั้ง

GET0564-006A
[U/UH]

0808DTSMDTJEIN
EN, TH

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ENGLISH

This unit is designed to operate on **12 V DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC car audio dealers.

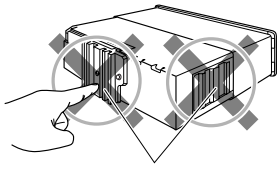
WARNINGS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the unit.

- **Be sure to ground this unit to the car's chassis again after installation.**

Notes:

- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
- It is recommended to connect speakers with a maximum power of more than 50 W (both at the rear and at the front, with an impedance of **4 Ω to 8 Ω**). If the maximum power is less than 50 W, change "AMP GAIN" setting to prevent the speakers from being damaged (see page 14 of the INSTRUCTIONS).
- To prevent short circuits, cover the terminals of the UNUSED leads with insulating tape.
- The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.



Heat sink / แผ่นระบายความร้อน

ไทย

ชุดประกอบนี้ได้รับการออกแบบมาเพื่อใช้งานกับระบบ กระแสไฟฟ้าสายดินขั้วลบกระแสตรง **12 โวลต์** หากรถยนต์ของคุณไม่ใช้ระบบนี้ ต้องใช้เครื่องแปลงกระแสไฟขั้วลบ ซึ่งสามารถหาซื้อได้จากร้านขายเครื่องเสียงรถยนต์ JVC

คำเตือน

เพื่อป้องกันการเกิดไฟฟ้าลัดวงจรขอแนะนำให้ปลดขั้วแบตเตอรี่ลบออกแล้วจึงต่อสายไฟก่อนติดตั้งเครื่อง

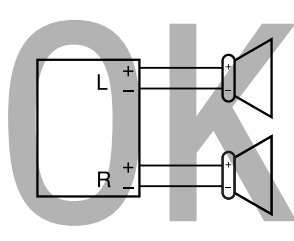
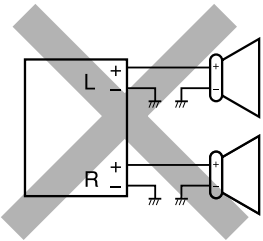
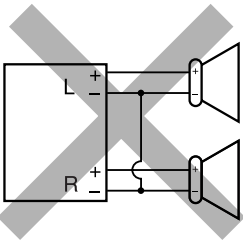
- ตรวจสอบให้แน่ใจว่าได้เดินสายดินต่อระหว่างเครื่องกับตัวถัง รถยนต์ใหม่แล้วหลังจากติดตั้ง

หมายเหตุ:

- ใช้ฟิวส์เฉพาะแทนฟิวส์ หากฟิวส์ขาดบ่อย ให้ปรึกษา ร้านขายเครื่องเสียงรถยนต์ JVC.
- ขอแนะนำให้ต่อลำโพง ที่มีกำลังขับสูงสุดเกินกว่า 50 W (ทั้งด้านหน้าและด้านหลัง มีค่าความต้านทาน **4 Ω ถึง 8 Ω**) ถ้ากำลังขับต่ำกว่า 50 W ให้เปลี่ยนค่า "AMP GAIN" เพื่อป้องกันไม่ให้ลำโพงชำรุด (ดูหน้า 14 คำแนะนำ)
- การป้องกันการลัดวงจร จะต้องพันขั้วสายตะกั่ว ที่ไม่ใช้แล้วด้วยเทป พันสายไฟ
- แผ่นระบายความร้อนจะร้อนมากหลังจากใช้ ระวังอย่าไป สัมผัสเมื่อถอดชุดประกอบนี้

ข้อควรระวังสำหรับการต่อแหล่งจ่ายกำลังและลำโพง:

- อย่าต่อสายตะกั่วเคเบิลกำลังของลำโพงเข้ากับแบตเตอรี่รถยนต์ มิฉะนั้น ชุดประกอบจะได้รับความเสียหายมาก
- ก่อนที่จะต่อสายตะกั่วเคเบิลกำลังของลำโพงเข้ากับลำโพง ให้ตรวจสอบการเดินสายไฟลำโพงในรถของคุณให้เรียบร้อยเสียก่อน

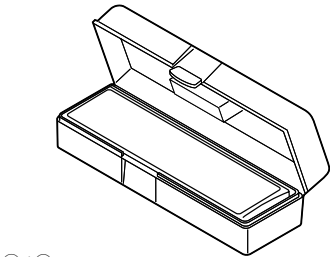


Parts list for installation and connection

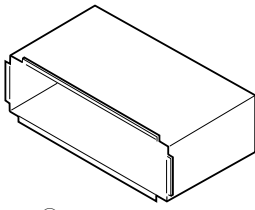
The following parts are provided for this unit. If any item is missing, consult your JVC car audio dealer immediately.

รายการส่วนประกอบสำหรับติดตั้งและเชื่อมต่อกัน

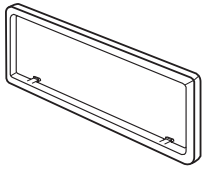
ส่วนประกอบต่อไปนี้ให้มาพร้อมกับชุดประกอบนี้ หากมีสิ่งใดไม่ครบ กรุณาปรึกษาตัวแทนจำหน่ายเครื่องเสียงติดรถยนต์ JVC โดยทันที



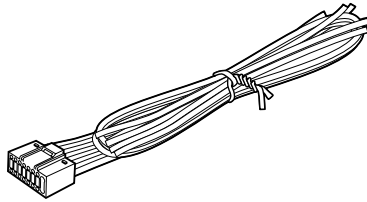
(A) / (B)
Hard case (for KD-R306/KD-R305)/Control panel
ลิ้นบรรจุ (สำหรับ KD-R306 หรือ KD-R305)/หน้าปิด



(C)
Sleeve
ปลอกหุ้ม



(D)
Trim plate
แผ่นโลหะขอบแต่ง



(E)
Power cord
สายเคเบิลกำลัง

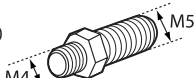
(F)
Washer (ø5)
ประเก็นวงแหวน (ø5)



(G)
Lock nut (M5)
นอตล็อก (M5)



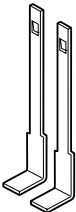
(H)
Mounting bolt (M4 × 5 mm; M5 × 12.5 mm)
สลักติด (M4 × 5 มม.; M5 × 12.5 มม.)



(I)
Rubber cushion
ยางกันกระแทก



(J)
Handles
คันบังคับ



For KD-R306/KD-R305 / สำหรับ KD-R306 หรือ KD-R305

(K)
Remote controller
รีโมทคอนโทรล

RM-RK50



(L)
Battery
แบตเตอรี่

CR2025



INSTALLATION (IN-DASH MOUNTING)

The following illustration shows a typical installation. If you have any questions or require information regarding installation kits, consult your JVC car audio dealer or a company supplying kits.

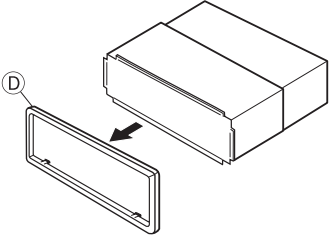
- If you are not sure how to install this unit correctly, have it installed by a qualified technician.

การติดตั้ง (การประกอบแผงหน้าปัทม์เบา)

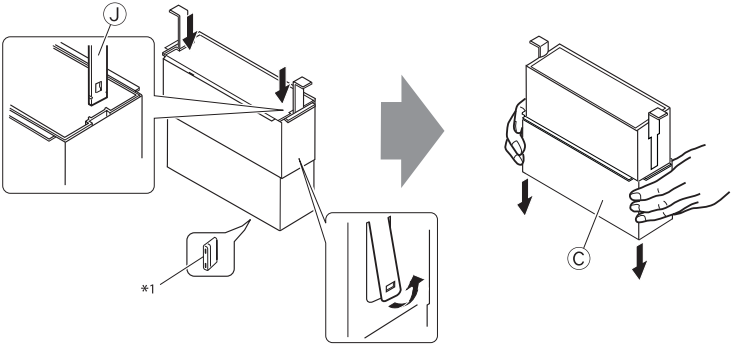
ภาพตัวอย่างต่อไปนี้แสดงถึงการติดตั้งแบบทั่วไป หากคุณมีปัญหาหรือต้องการข้อมูลเกี่ยวกับชุดติดตั้ง กรุณาปรึกษากับผู้ขายเครื่องเสียงรถยนต์ JVC ของท่านหรือบริษัท

- ชุดประกอบ ถ้าคุณไม่แน่ใจว่าติดตั้งชุดประกอบนี้ถูกต้องหรือไม่ ให้หาช่างผู้เชี่ยวชาญเป็นผู้ติดตั้ง

1



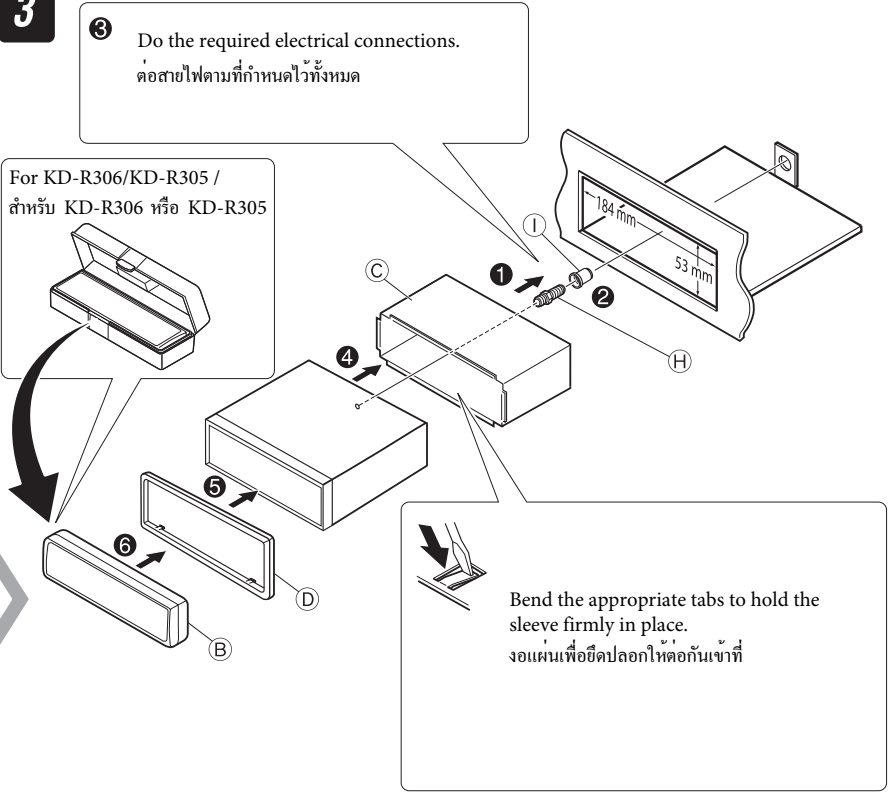
2



3

Do the required electrical connections.
ต่อสายไฟตามที่กำหนดไว้ทั้งหมด

For KD-R306/KD-R305 /
สำหรับ KD-R306 หรือ KD-R305



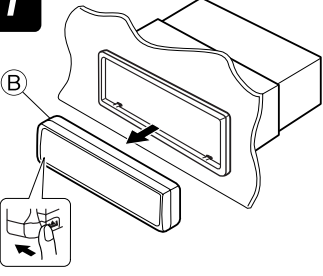
Removing the unit

Before removing the unit, release the rear section.

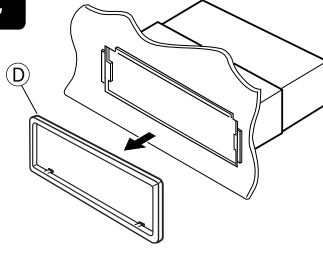
การถอดชุดประกอบ

ก่อนจะถอดชุดประกอบ ให้ปลดหน้าตัดส่วนท้ายก่อน

1

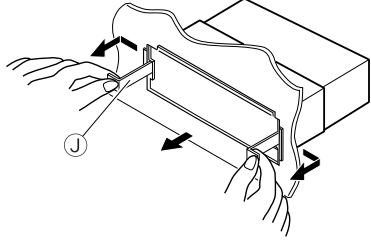


2

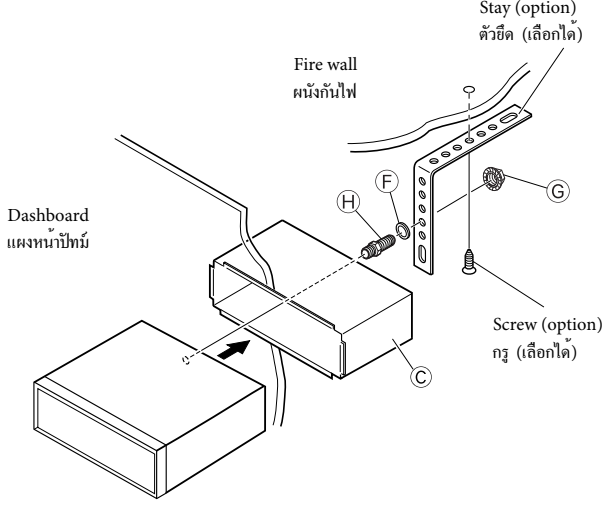


3

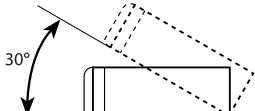
Insert the two handles, then pull them as illustrated so that the unit can be removed.
ใส่คันบังคับ 2 อันลงในร่องสำหรับไขพื้นลวด ดังภาพ จากนั้นให้เลื่อนชุดประกอบออก ในขณะที่ค่อย ๆ ดึงคันบังคับทั้งสองอันออกจากกัน



When using the optional stay / เมื่อใช้ตัวยึดแบบเลือกได้

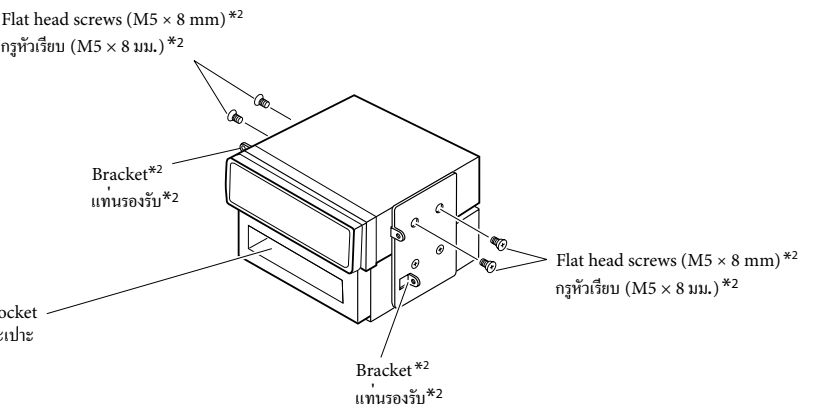


Install the unit at an angle of less than 30°. ติดตั้งชุดประกอบที่มุมต่ำกว่า 30° องศา



When installing the unit without using the sleeve / เมื่อติดตั้งชุดประกอบโดยไม่ใช้ปลอกหุ้ม

In a Toyota car for example, first remove the car radio and install the unit in its place.
ตัวอย่างเช่น ในรถยนต์โตโยตา ให้ถอดวิทยุติดรถยนต์ออกก่อน แล้วจึงติดตั้งเครื่องนี้เข้าแทนที่



Note
: When installing the unit on the mounting bracket, make sure to use the 8 mm-long screws. If longer screws are used, they could damage the unit.
หมายเหตุ : เมื่อติดตั้งชุดประกอบลงในแทนรองรับไว้ ให้ใช้สกรูยาวขนาด 8 มม. ถ้าใช้สกรูยาวกว่านี้อาจทำให้ชุดประกอบเสียหายได้

*1 When you stand the unit, be careful not to damage the fuse on the rear.
*2 Not supplied for this unit.

*1 เมื่อคุณตั้งชุดประกอบขึ้น ระมัดระวังอย่าทำให้ฟิวส์บริเวณส่วนท้ายเสียหาย
*2 ไม่ได้นำมาพร้อมกับชุดประกอบนี้

A

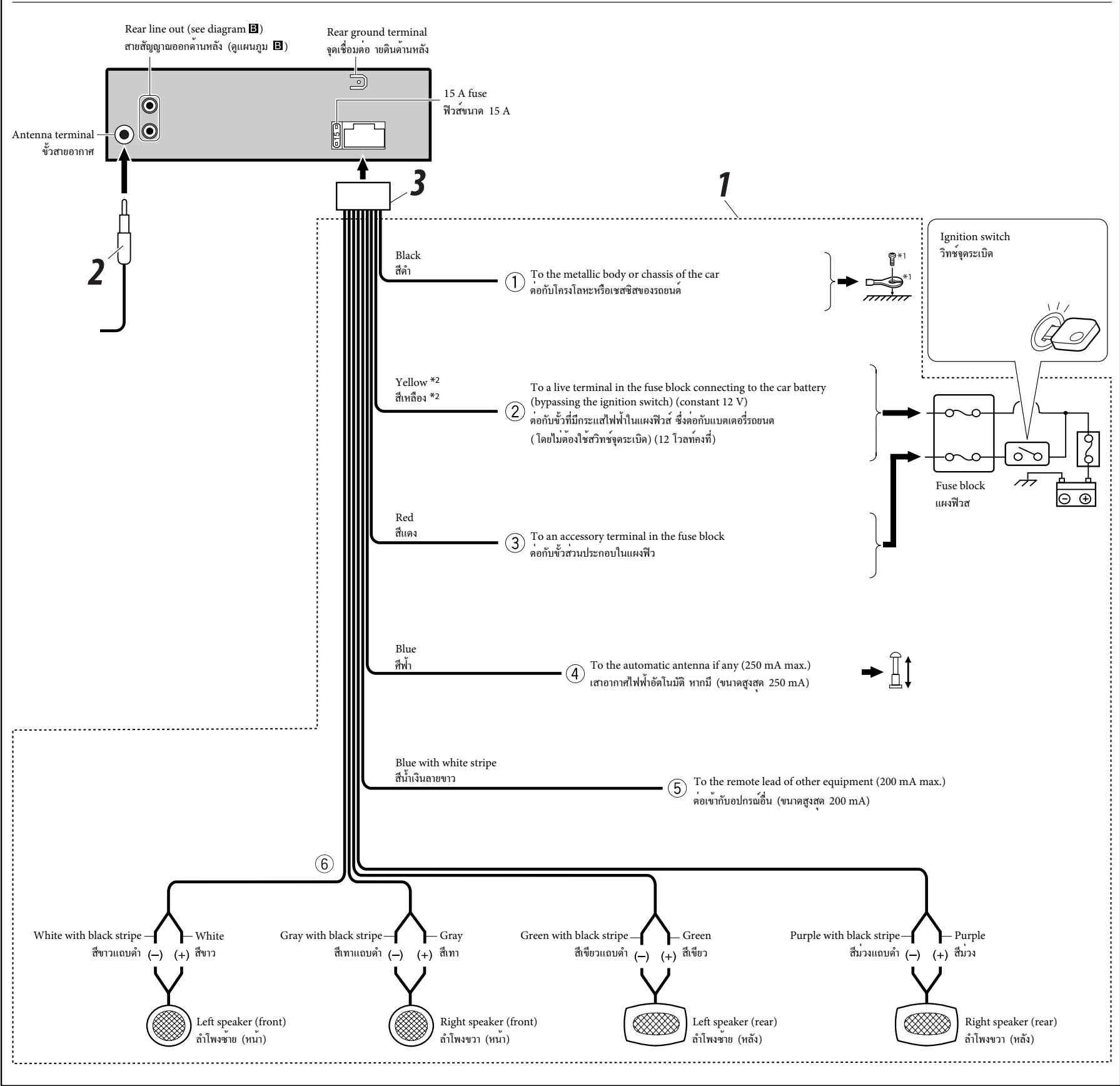
Typical connections / การเชื่อมต่อแบบปกติ

Before connecting: Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this unit.
The leads of the power cord and those of the connector from the car body may be different in color.

1 Connect the colored leads of the power cord in the order specified in the illustration below.
2 Connect the antenna cord.
3 Finally connect the wiring harness to the unit.

ก่อนการเชื่อมต่อ: ตรวจสอบการเดินสายไฟในรถยนต์ให้ละเอียดถี่ถ้วน เพราะการเชื่อมต่อที่ผิดพลาดอาจทำให้เกิดความเสียหายร้ายแรงต่อชุดประกอบชุดนี้ได้
สายตะกั่วของสายไฟและของอุปกรณ์ต่อเชื่อมจากตัวรถยนต์อาจมีสีที่ไม่เหมือนกัน

1 ต่อสายไฟสีตามลำดับที่ระบุในรูปด้านล่าง
2 เชื่อมต่อกับสายอากาศ
3 สุดท้าย ต่อส่วนควบคุมการเดินสายไฟเข้ากับชุดประกอบชุดนี้



*1 Not supplied for this unit.

*2 Before checking the operation of this unit prior to installation, this lead must be connected, otherwise the power cannot be turned on.

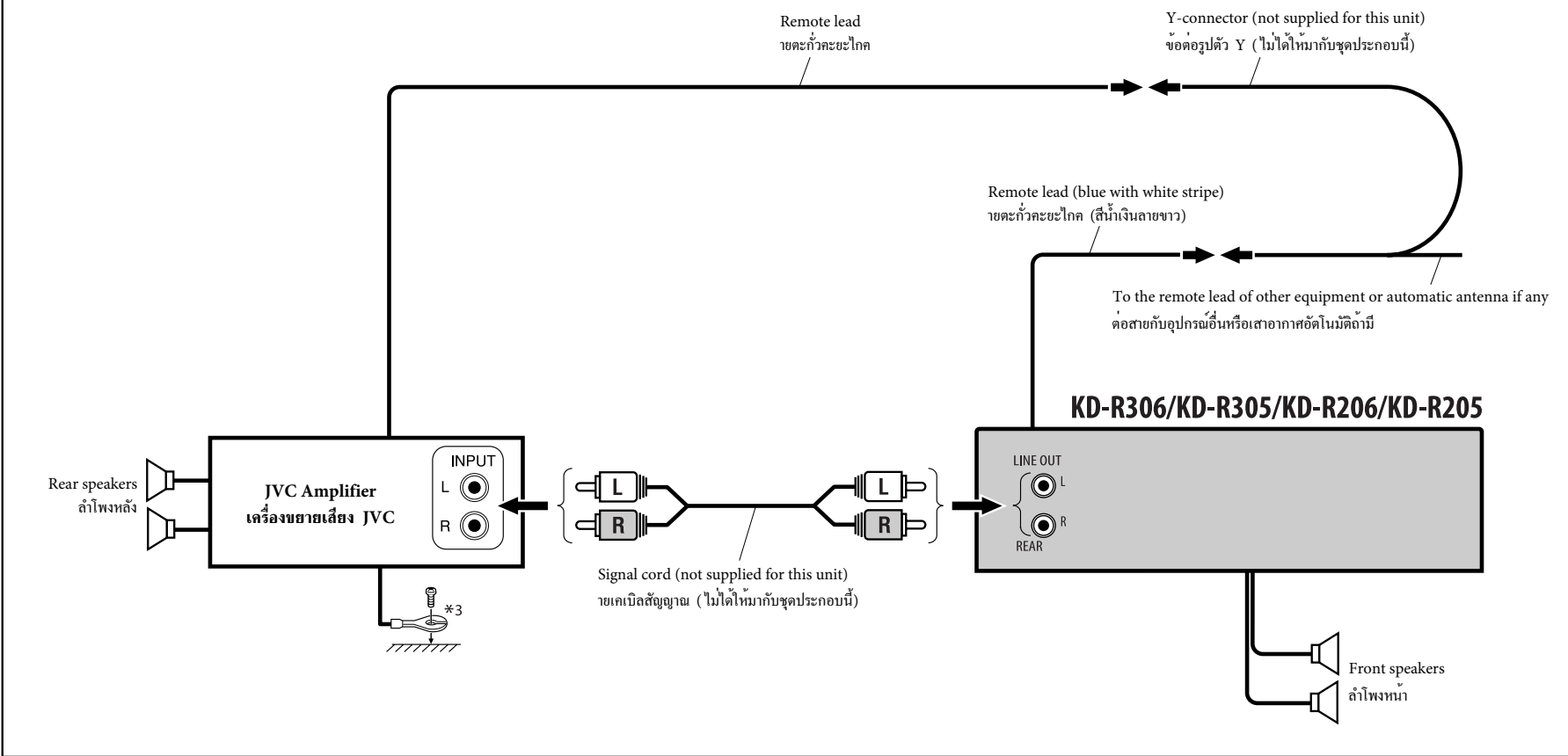
*1 ไม่ได้ให้มากับชุดประกอบนี้

*2 ก่อนการตรวจสอบการทำงานของชุดประกอบนี้ก่อนที่จะติดตั้ง ต้องต่อสายตะกั่วนี้ก่อน มิฉะนั้นจะไม่สามารถเปิดเครื่องได้

B Connecting the external amplifier / การเชื่อมต่อเครื่องขยายเสียงภายนอก

- You can connect an amplifier to upgrade your car stereo system.
- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this unit.
 - **Disconnect the speakers from this unit, connect them to the amplifier. Leave the speaker leads of this unit unused.**

- คุณสามารถต่อกับแอมพลิฟายเออร์ เพื่อเพิ่มคุณสมบัติให้กับระบบสเตอริโอของรถยนต์
- ต่อสายตะกั่วระยะไกล (สีน้ำเงินลายขาว) เข้ากับสายตะกั่วระยะไกลของอุปกรณ์อื่น ๆ เพื่อจะสามารถควบคุมโดยชุดประกอบนี้ได้
 - ถอดลำโพงออกจากชุดประกอบนี้ แล้วต่อเข้ากับเครื่องขยาย ทั้งสายตะกั่วลำโพงของชุดประกอบนี้ไว้



*3 Firmly attach the ground wire to the metallic body or to the chassis of the car—to the place uncoated with paint (if coated with paint, remove the paint before attaching the wire). Failure to do so may cause damage to the unit.

*3 ต่อลวดสายดินให้แน่นเข้ากับตัวถังเหล็ก หรือตัวถังรถ—ตรงส่วน ที่ไม่มีสีเคลือบ (หากมีสีเคลือบอยู่ ให้ขูดสีออกก่อน ก่อนต่อลวดสายดิน) หากไม่ปฏิบัติตามคำแนะนำนี้ เครื่องอาจชำรุดหรือเสียหายได้

TROUBLESHOOTING

- **The fuse blows.**
 - * Are the red and black leads connected correctly?
- **Power cannot be turned on.**
 - * Is the yellow lead connected?
- **No sound from the speakers.**
 - * Is the speaker output lead short-circuited?
- **Sound is distorted.**
 - * Is the speaker output lead grounded?
 - * Are the “–” terminals of L and R speakers grounded in common?
- **Noise interfere with sounds.**
 - * Is the rear ground terminal connected to the car’s chassis using shorter and thicker cords?
- **This unit becomes hot.**
 - * Is the speaker output lead grounded?
 - * Are the “–” terminals of L and R speakers grounded in common?
- **This unit does not work at all.**
 - * Have you reset your unit?

การตรวจสอบปัญหาขัดข้อง

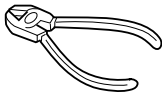
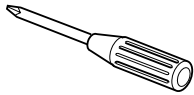
- **ฟิวส์ขาด**
 - * มีการเชื่อม สายตะกั่วสีดําและสีแดงอย่างถูกต้องหรือไม่
- **ไม่สามารถเปิดเครื่องได้**
 - * มีการเชื่อมสายตะกั่วสีเหลืองหรือไม่
- **ไม่มีเสียงออกจากลำโพง**
 - * สายตะกั่วส่วนที่ออกทางลำโพงเกิดไฟฟ้าลัดวงจรหรือไม่
- **เสียงเพี้ยน**
 - * สายตะกั่วส่วนที่ออกทางลำโพงต้องลงดินหรือไม่
 - * สายขั้วลบ “–” ของลำโพงด้านซ้ายและขวาต้องลงดินตามปกติหรือไม่
- **เสียงรบกวน**
 - * มีการใช้สายสั้นๆ หรือหนาๆ ต่อจากเครื่องส่วนที่ติดตั้ง ไว้บนพื้นด้านหลังกับตัวถังรถยนต์หรือไม่
- **ชุดประกอบร้อนขึ้น**
 - * สายตะกั่วส่วนที่ออกทางลำโพงต้องลงดินหรือไม่
 - * สายขั้วลบ “–” ของลำโพงด้านซ้ายและขวาต้องลงดินตามปกติหรือไม่
- **เครื่องรับนี้ทำงานไม่**
 - * ท่านได้ตั้งเครื่องใหม่แล้วหรือยัง



KD-R306/KD-R305/KD-R206/KD-R205

Installation/Connection Manual

安裝/連接手冊



GET0564-010A
[UT]

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EN, CT

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ENGLISH

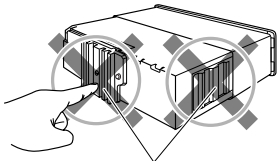
This unit is designed to operate on **12 V DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC car audio dealers.

WARNINGS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the unit.
• **Be sure to ground this unit to the car's chassis again after installation.**

Notes:

- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
- It is recommended to connect speakers with a maximum power of more than 50 W (both at the rear and at the front, with an impedance of **4 Ω to 8 Ω**). If the maximum power is less than 50 W, change "AMP GAIN" setting to prevent the speakers from being damaged (see page 14 of the INSTRUCTIONS).
- To prevent short circuits, cover the terminals of the UNUSED leads with insulating tape.
- The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.



Heat sink / 散熱片

中文

本機僅可使用直流 **12 V**、負極接地的電源系統。如果您的車輛沒有這一電源系統，則需要一個電壓變換器，可以在 JVC 汽車音響分銷商處買到。

警告

為防止短路，建議在安裝本機之前，拔開電池的負極，並把所有電路都連接好。
• 安裝完畢後務必將本機的地線重新接至車身。

注意：

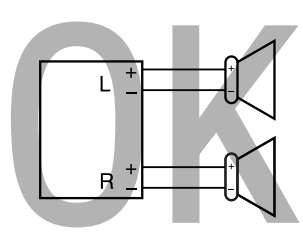
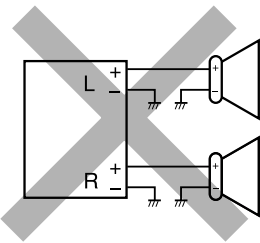
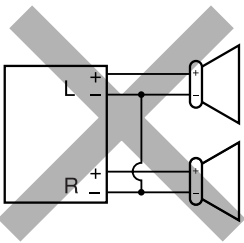
- 把保險絲更換為額定負荷值的保險絲。如果保險絲經常燒壞，請向 JVC 汽車音響分銷商詢問。
- 後置和前置揚聲器的最大輸入功率應大於 50 W，其阻抗為 **4 Ω - 8 Ω**。如果最大功率小於 50 W，請調校 "AMP GAIN" 設定值，以防止揚聲器損壞。（參閱使用說明書的第 14 頁。）
- 為防止電源短路，請用絕緣帶包住未使用電線的端子。
- 本機使用後，散熱片會很熱。因此，在移出本機時，小心不要觸摸散熱片。

PRECAUTIONS on power supply and speaker connections:

- **DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.**
- BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.

電源和揚聲器接線注意事項：

- 切勿把揚聲器導線接頭接至電池，否則本機將會嚴重損壞。
- 在把揚聲器導線接頭接至揚聲器之前，檢查您汽車上的揚聲器線路。

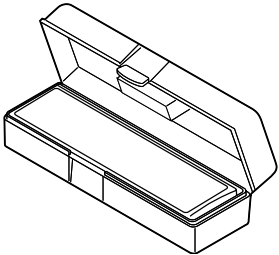


Parts list for installation and connection

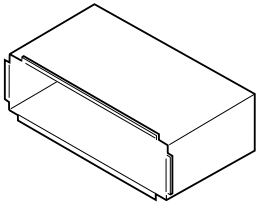
The following parts are provided for this unit. If any item is missing, consult your JVC car audio dealer immediately.

用於安裝和連接的零件清單

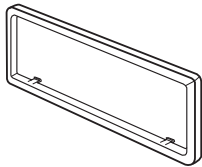
下列零件隨本機提供。若有任何遺漏，立刻諮詢您的 JVC 汽車音響經銷商。



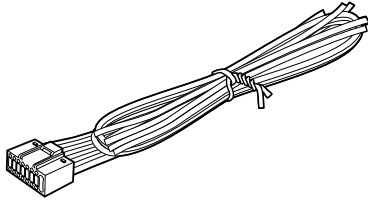
(A) / (B)
Hard case (for KD-R306/KD-R305)/Control panel
硬盒（對應 KD-R306/KD-R305）/ 控制面板



(C)
Sleeve
外套機殼



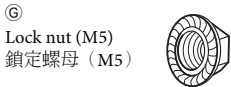
(D)
Trim plate
裝飾框



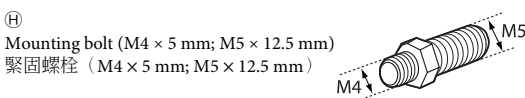
(E)
Power cord
電路連接用的配線束



(F)
Washer (ø5)
墊圈 (ø5)



(G)
Lock nut (M5)
鎖定螺母 (M5)

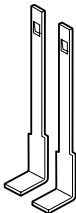


(H)
Mounting bolt (M4 x 5 mm; M5 x 12.5 mm)
緊固螺栓 (M4 x 5 mm; M5 x 12.5 mm)



(I)
Rubber cushion
橡膠防震墊

(J)
Handles
板條型把手



For KD-R306/KD-R305 / 對應 KD-R306/KD-R305

(K)
Remote controller
遙控器



RM-RK50

(L)
Battery
電池

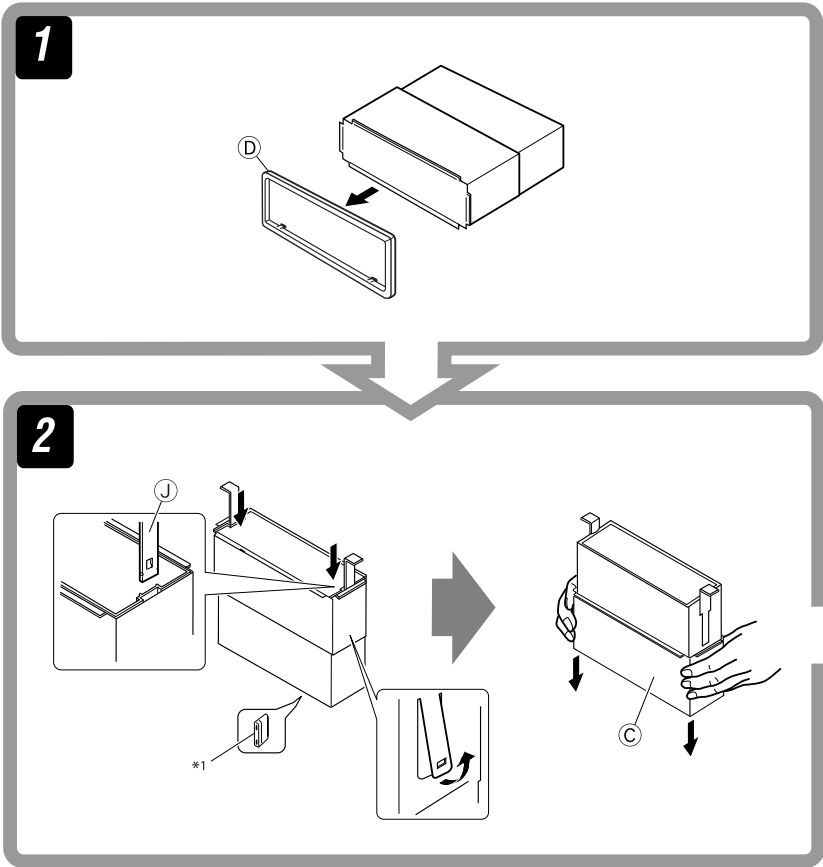


CR2025

INSTALLATION (IN-DASH MOUNTING)

The following illustration shows a typical installation. If you have any questions or require information regarding installation kits, consult your JVC car audio dealer or a company supplying kits.

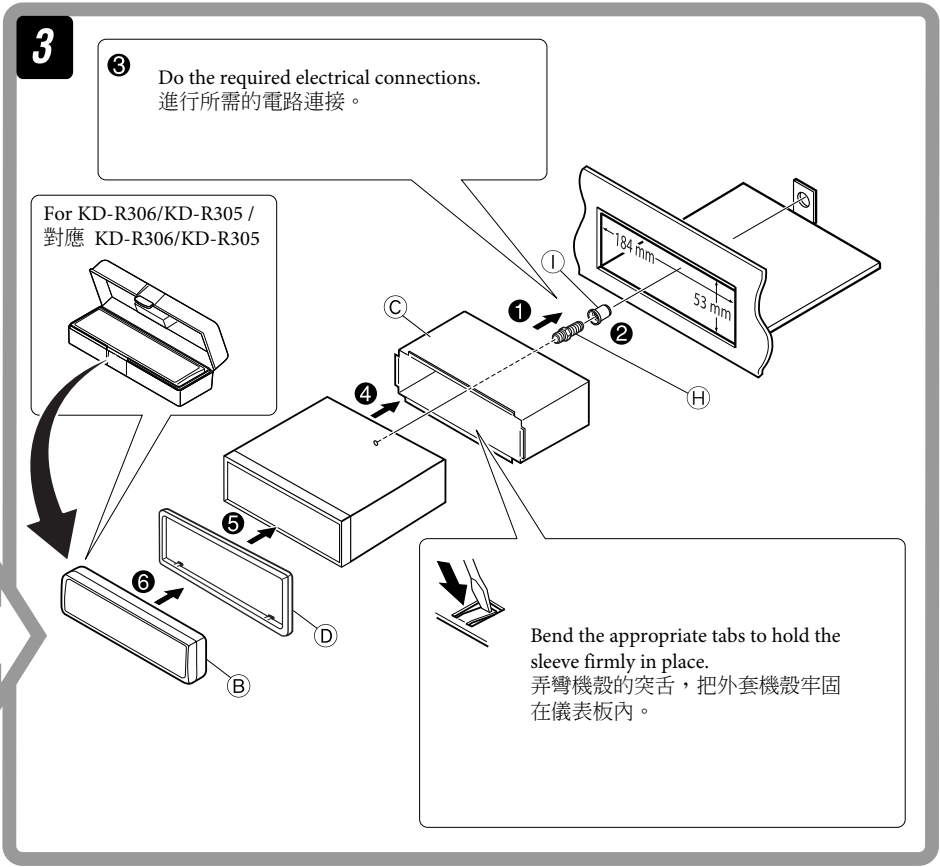
- If you are not sure how to install this unit correctly, have it installed by a qualified technician.



安裝（裝設、固定在儀表板內）

下面的圖解表示了典型的安裝程序。如果您有問題，或需要有關配套元件的資料，請向 JVC 汽車音響分銷商或配套元件供應公司詢問。

- 如果您不能確定如何正確地安裝本機，應請合格的技術人員來安裝。

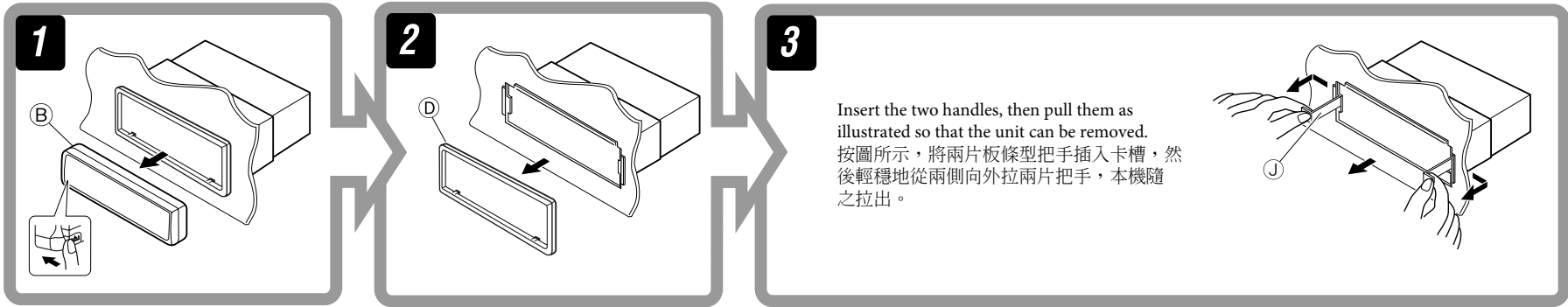


Removing the unit

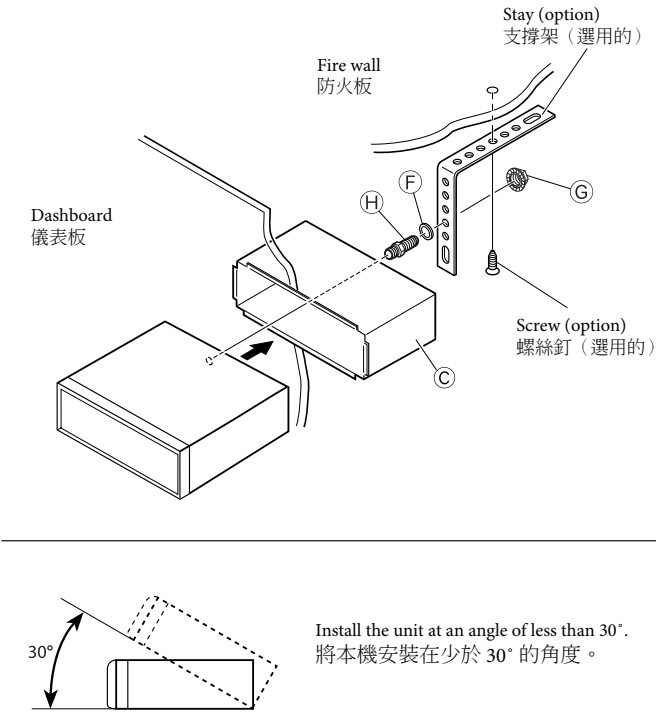
Before removing the unit, release the rear section.

拆卸本機

在拆卸本機前，應將本機後部的固定和連接部分鬆開。

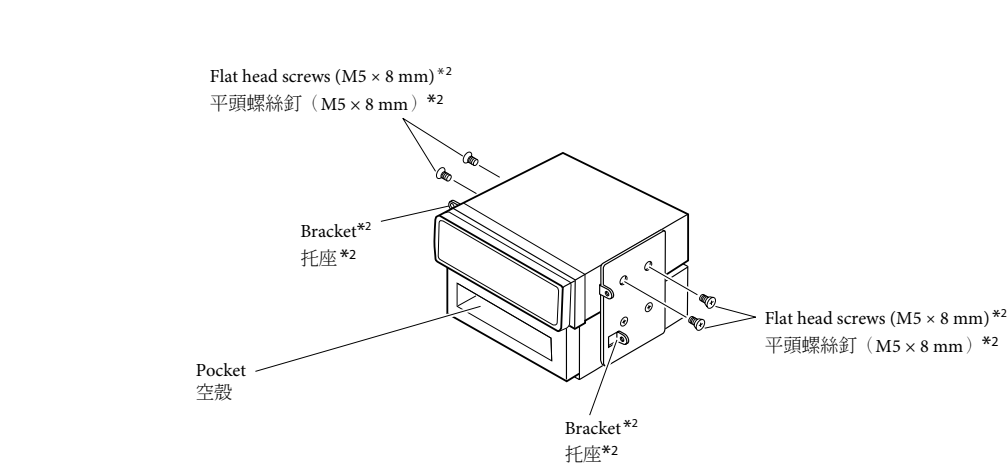


When using the optional stay / 若選用支撐架



When installing the unit without using the sleeve / 若不使用外套機殼安裝本機

In a Toyota car for example, first remove the car radio and install the unit in its place.
以豐田牌 (TOYOTA) 汽車為例：首先取出汽車收音機，然後將本機裝入其空出的位置。



Note : When installing the unit on the mounting bracket, make sure to use the 8 mm-long screws. If longer screws are used, they could damage the unit.
注意：把本機安裝在托座上時，務必使用 8 mm 長的螺絲釘。如使用過長的螺絲釘，會損壞本機。

*1 When you stand the unit, be careful not to damage the fuse on the rear.
*2 Not supplied for this unit.

*1 您豎起本機時，小心不要損壞底部的保險絲。
*2 不隨本機提供。

ELECTRICAL CONNECTIONS

電路連接

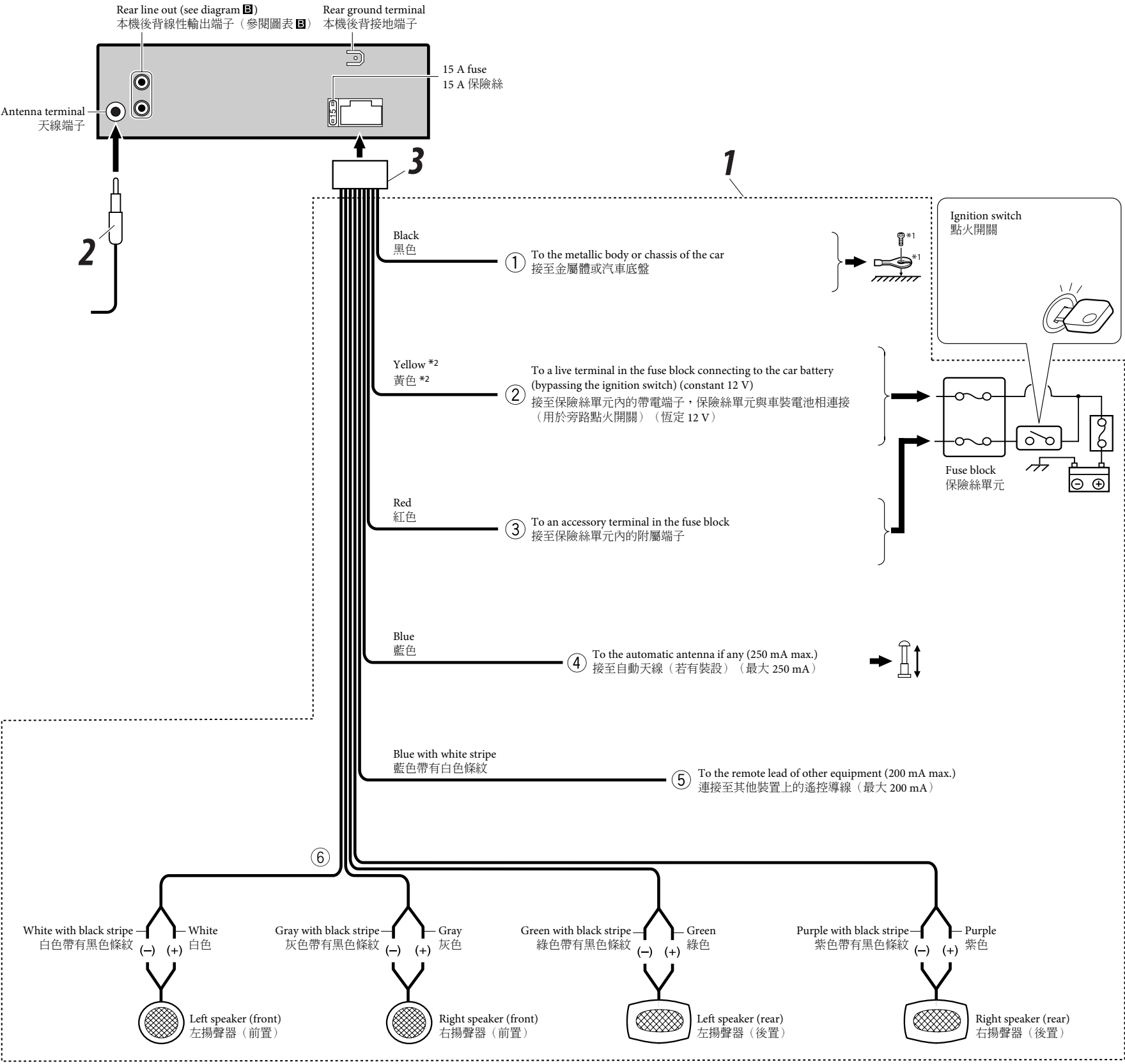
A Typical connections / 典型的接線方法

Before connecting: Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this unit.
The leads of the power cord and those of the connector from the car body may be different in color.

接線前：仔細檢查汽車內的線路。不正確的接線會導致本機嚴重損壞。
電源線的引線和車身的連接器引線在顏色上可能有所不同。

- 1 Connect the colored leads of the power cord in the order specified in the illustration below.
- 2 Connect the antenna cord.
- 3 Finally connect the wiring harness to the unit.

- 1 依照下圖所示之次序連接電源線的顏色導線。
- 2 將天線的電線連接起來。
- 3 最後，把配線束的插頭插在本機上。

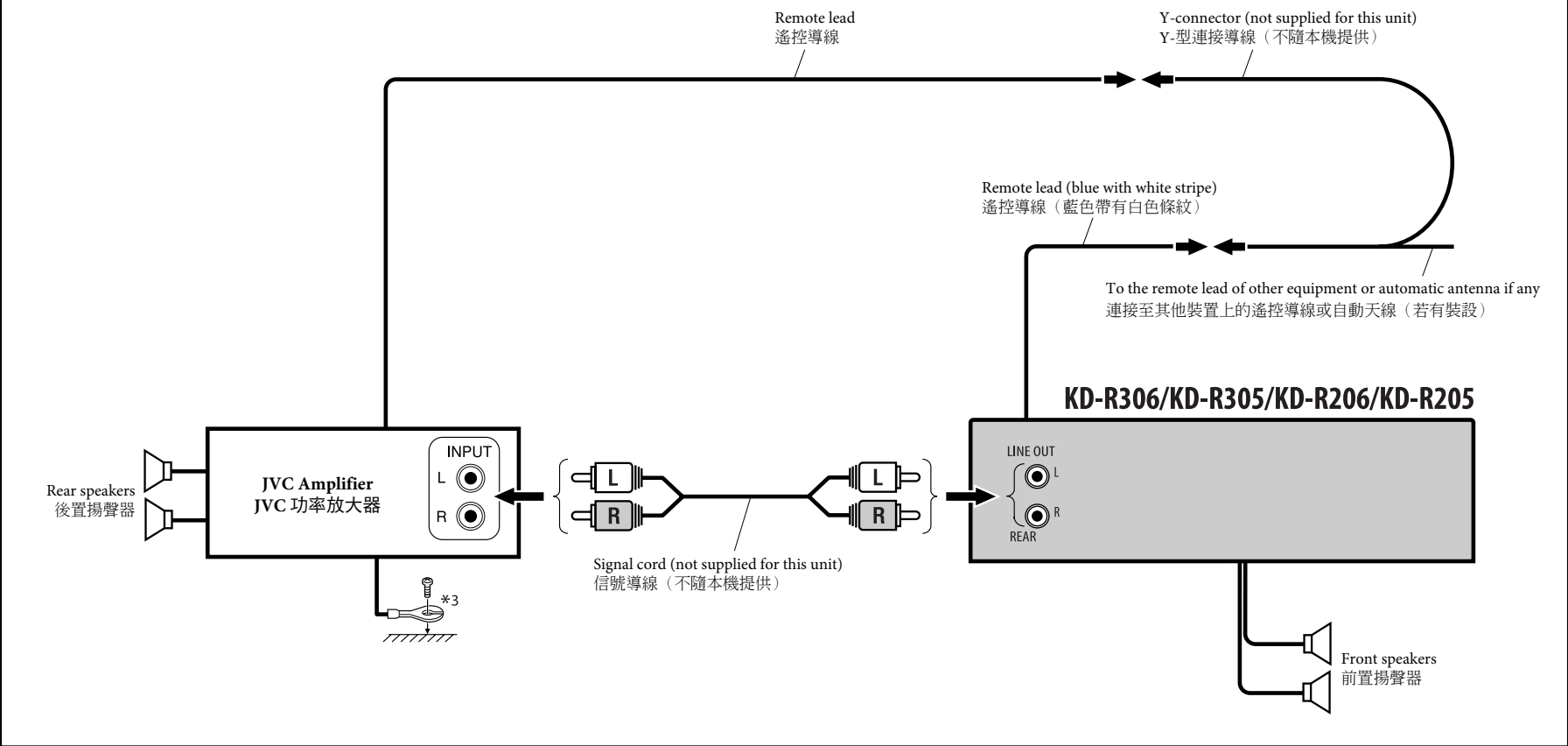


*1 Not supplied for this unit.
*2 Before checking the operation of this unit prior to installation, this lead must be connected, otherwise the power cannot be turned on.

*1 不隨本機提供。
*2 本機未安裝時，進行工作狀況檢查之前，必須把這導線接上，否則不能開啟電源。

B Connecting the external amplifier / 連接至外部功率放大器

- You can connect an amplifier to upgrade your car stereo system.
- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this unit.
 - **Disconnect the speakers from this unit, connect them to the amplifier. Leave the speaker leads of this unit unused.**
- 您可以連接功率放大器以提昇尊車的音響系統。
- 將遙控導線（藍色帶有白色條紋）和其他裝置上的遙控導線連接起來，以便可以經由本機進行遙控。
 - 將揚聲器和本機拔開，再接上功率放大器。將本機的揚聲器接線放置不用。



- *3 Firmly attach the ground wire to the metallic body or to the chassis of the car—to the place uncoated with paint (if coated with paint, remove the paint before attaching the wire). Failure to do so may cause damage to the unit.
- *3 將地線與金屬車體或者汽車底盤緊密連接，連接處應該沒有被油漆覆蓋（如果已塗上油漆，在連接電線前，將油漆刮去）。如果不這樣做，可能會損壞本機。

TROUBLESHOOTING

- **The fuse blows.**
 - * Are the red and black leads connected correctly?
- **Power cannot be turned on.**
 - * Is the yellow lead connected?
- **No sound from the speakers.**
 - * Is the speaker output lead short-circuited?
- **Sound is distorted.**
 - * Is the speaker output lead grounded?
 - * Are the “-” terminals of L and R speakers grounded in common?
- **Noise interfere with sounds.**
 - * Is the rear ground terminal connected to the car’s chassis using shorter and thicker cords?
- **This unit becomes hot.**
 - * Is the speaker output lead grounded?
 - * Are the “-” terminals of L and R speakers grounded in common?
- **This unit does not work at all.**
 - * Have you reset your unit?

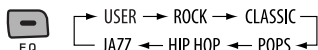
故障排除

- 保險絲燒斷。
 - * 檢查紅色導線接頭和黑色導線接頭是否接觸正確？
- 電源不能接通。
 - * 檢查黃色導線接頭是否接上？
- 揚聲器沒有聲音。
 - * 檢查揚聲器輸出導線接頭是否短路？
- 聲音失真。
 - * 檢查揚聲器輸出端子是否接地？
 - * 檢查揚聲器的左（L）、右（R）端子的負極“-”是否共同接地？
- 噪音干擾音響。
 - * 後接地端子與車身是否使用較短和較厚的電線連接？
- 本機發熱。
 - * 檢查揚聲器輸出端子是否接地？
 - * 檢查揚聲器的左（L）、右（R）端子的負極“-”是否共同接地？
- 本機完全不能操作。
 - * 您是否已經重置您的機組？

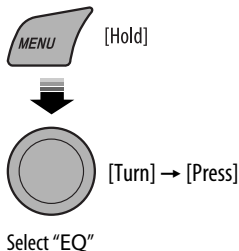
Selecting a preset sound mode

You can select a preset sound mode suitable to the music genre.

- See also page 13 ("EQ").



or
Selecting from Menu.



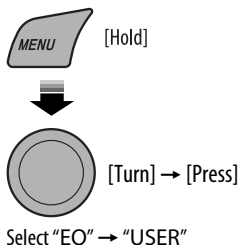
Preset value setting for each sound mode

Preset values	BASS	TREBLE	LOUD
Indication (For)			
USER (Flat sound)	00	00	OFF
ROCK (Rock or disco music)	+03	+01	ON
CLASSIC (Classical music)	+01	-02	OFF
POPS (Light music)	+04	+01	OFF
HIP HOP (Funk or rap music)	+02	00	ON
JAZZ (Jazz music)	+02	+03	OFF

Storing your own sound mode

You can store your own adjustments in memory.

1 Select "USER" for "EQ."

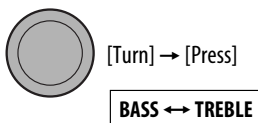


2 While "USER" is shown on the display...



- If no operation is done for about 30 seconds, the operation will be canceled.

3 Select a tone.



4 Adjust the level.

Tone	Level
BASS	-06 to +06
TREBLE	-06 to +06

To return to the previous menu, press BACK.

5 Finish the procedure.



Title assignment

You can assign titles to 30 station frequencies (FM and AM) using 8 characters (maximum) for each title.

1 Select "FM" or "AM."

SRC 

2 Show the title entry screen.

DISP  +  [Hold]



3 Assign a title.

1 Select a character.



A	B	C	D	E	F	G
H	I	J	K	L	M	N
O	P	Q	R	S	T	U
V	W	X	Y	Z	0	1
2	3	4	5	6	7	8
9	-	/	<	>	space	

2 Move to the next (or previous) character position.



3 Repeat steps 1 and 2 until you finish entering the title.

4 Finish the procedure.





To erase the entire title

In step 2 above...



Menu operations

1  [Hold]	2  [Turn] → [Press]	3 Repeat step 2 if necessary. <ul style="list-style-type: none"> To return to the previous menu, press BACK.
---	---	--

Initial: **Underlined**

Category	Menu items	Selectable settings, [reference page]
DEMO	DEMO Display demonstration	<ul style="list-style-type: none"> • <u>DEMO ON</u> : Display demonstration will be activated automatically if no operation is done for about 20 seconds, [7]. • DEMO OFF : Cancels.
CLOCK	CLOCK DISP *1 Clock display	<ul style="list-style-type: none"> • CLOCK ON : Clock time is shown on the display at all times when the power is turned off. • <u>CLOCK OFF</u> : Cancels; pressing DISP will show the clock time for about 5 seconds when the power is turned off, [7].
	CLOCK SET Clock setting	: Adjust the hour, then the minute, [7]. [Initial: 1:00]
EQ	EQ Equalizer	: Select a preset sound mode suitable to the music genre. <u>USER, ROCK, CLASSIC, POPS, HIP HOP, JAZZ</u>
DISPLAY	DIMMER Dimmer	<ul style="list-style-type: none"> • DIMMER ON : Dims the display and button illumination. • <u>DIMMER OFF</u> : Cancels.
	SCROLL *2 Scroll	<ul style="list-style-type: none"> • <u>SCROLL ONCE</u> : Scrolls the displayed information once. • SCROLL AUTO : Repeats scrolling (at 5-second intervals). • SCROLL OFF : Cancels. Pressing DISP for more than one second can scroll the display regardless of the setting.
	TAG DISPLAY Tag display (For KD-R306/ KD-R305)	<ul style="list-style-type: none"> • <u>TAG ON</u> : Shows the Tag information while playing MP3/WMA tracks. • TAG OFF : Cancels.

*1 If the power supply is not interrupted by turning off the ignition key of your car, it is recommended to select "CLOCK OFF" to save the car's battery.

*2 Some characters or symbols will not be shown correctly (or will be blanked) on the display.

Continued on the next page

Category	Menu items	Selectable settings, [reference page]
TUNER	MONO * ³ Monaural mode	<ul style="list-style-type: none"> • MONO ON : Activate monaural mode to improve FM reception, but stereo effect will be lost, [8]. • MONO OFF : Restore the stereo effect.
	IF BAND Intermediate frequency band	<ul style="list-style-type: none"> • AUTO : Increases the tuner selectivity to reduce interference noises between adjacent stations. (Stereo effect may be lost.) • WIDE : Subject to interference noises from adjacent stations, but sound quality will not be degraded and the stereo effect will remain.
AUDIO	FADER * ⁴ Fader	R06 – F06 : Adjust the front and rear speaker output balance. [Initial: 00]
	BALANCE Balance	L06 – R06 : Adjust the left and right speaker output balance. [Initial: 00]
	LOUD Loudness	<ul style="list-style-type: none"> • LOUD OFF : Cancels. • LOUD ON : Boost low and high frequencies to produce a well-balanced sound at a low volume level.
	AUX ADJUST Auxiliary input level adjustment	AUX ADJ 00 — AUX ADJ 05 : Adjust the auxiliary input level to avoid the sudden increase of the output level when changing the source to external component connected to the AUX input jack on the control panel.
	BEEP Keypress tone	<ul style="list-style-type: none"> • BEEP OFF : Deactivates the keypress tone. • BEEP ON : Activates the keypress tone.
	AMP GAIN * ⁵ Amplifier gain control	<ul style="list-style-type: none"> • LOW POWER : VOLUME 00 – VOLUME 30 (Select if the maximum power of each speaker is less than 50 W to prevent damaging the speaker.) • HIGH POWER : VOLUME 00 – VOLUME 50
SRC SELECT	AM * ⁶ AM station	<ul style="list-style-type: none"> • AM OFF : Disable “AM” in source selection. • AM ON : Enable “AM” in source selection, [4].
	AUX IN * ⁷ Auxiliary input	<ul style="list-style-type: none"> • AUX OFF : Disable “AUX IN” in source selection. • AUX ON : Enable “AUX IN” in source selection, [4].

*³ Displayed only when the source is “FM.”

*⁴ If you are using a two-speaker system, set the fader level to “00.”

*⁵ The volume level automatically changes to “VOLUME 30” if you change to “LOW POWER” with the volume level set higher than “VOLUME 30.”

*⁶ Displayed only when any source other than “AM” is selected.

*⁷ Displayed only when any source other than “AUX IN” is selected.

More about this unit

Basic operations

Turning on the power

- By pressing SRC button on the unit, you can also turn on the power. If the source is ready, playback also starts.

Turning off the power

- If you turn off the power while listening to a track, playback will start from where it had been stopped previously next time you turn on the power.

General

- If you change the source while listening to a disc, playback stops.
Next time you select "CD" as the playback source, playback will start from where it had been stopped previously.
- After ejecting a disc, "NO DISC" appears and you cannot operate some of the buttons. Insert another disc or press SRC to select another playback source.
- If no operation is done for about 30 seconds after pressing MENU button, the operation will be canceled.

Tuner operations

Storing stations in memory

- During SSM search...
 - All previously stored stations are erased and the stations are stored anew.
 - When SSM is over, the station stored in the lowest preset number will be automatically tuned in.
- When storing a station manually, the previously preset station is erased when a new station is stored in the same preset number.

Disc operations

Caution for DualDisc playback

- The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

General

- This unit has been designed to reproduce CDs/CD Texts, and CD-Rs (Recordable)/CD-RWs (Rewritable) in audio CD (CD-DA), MP3/WMA (for KD-R306/KD-R305) formats.
- When a disc is inserted upside down, "PLEASE" and "EJECT" appear alternately on the display. Press ▲ to eject the disc.
- KD-R306/KD-R305: MP3 and WMA "tracks" (words "file" and "track" are used interchangeably) are recorded in "folders."
- KD-R306/KD-R305: While fast-forwarding or reversing on an MP3 or WMA disc, you can only hear intermittent sounds.

Playing a CD-R or CD-RW

- Use only "finalized" CD-Rs or CD-RWs.
- KD-R306/KD-R305: This unit can only play back files of the same type as those detected first if a disc includes both audio CD (CD-DA) files and MP3/WMA files.
- This unit can play back multi-session discs; however, unclosed sessions will be skipped while playing.
- Some CD-Rs or CD-RWs may not play back on this unit because of their disc characteristics, or for the following reasons:
 - Discs are dirty or scratched.
 - Moisture condensation has occurred on the lens inside the unit.
 - The pickup lens inside the unit is dirty.

Continued on the next page

- The files on the CD-R/CD-RW are written using the “Packet Write” method.
- There are improper recording conditions (missing data, etc.) or media conditions (stained, scratched, warped, etc.).
- CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than that of regular CDs.
- Do not use the following CD-Rs or CD-RWs:
 - Discs with stickers, labels, or a protective seal stuck to the surface.
 - Discs on which labels can be directly printed by an ink jet printer.

Using these discs under high temperature or high humidity may cause malfunctions or damage to the unit.

Playing an MP3/WMA disc (for KD-R306/KD-R305)

- This unit can play back MP3/WMA files with the extension code <.mp3> or <.wma> (regardless of the letter case—upper/lower).
- This unit can show the names of albums, artists (performer), and Tag (Version 1.0, 1.1, 2.2, 2.3, or 2.4) for MP3 files and for WMA files.
- This unit can display only one-byte characters. No other characters can be correctly displayed.
- This unit can play back MP3/WMA files meeting the conditions below:
 - Bit rate: 8 kbps — 320 kbps
 - Sampling frequency:
 - 48 kHz, 44.1 kHz, 32 kHz (for MPEG-1)
 - 24 kHz, 22.05 kHz, 16 kHz (for MPEG-2)
 - Disc format: ISO 9660 Level 1/Level 2, Romeo, Joliet, Windows long file name
- The maximum number of characters for file/folder names vary depending on the disc format used (includes 4 extension characters—<.mp3> or <.wma>).
 - ISO 9660 Level 1: up to 12 characters
 - ISO 9660 Level 2: up to 31 characters
 - Romeo: up to 128 characters
 - Joliet: up to 64 characters
 - Windows long file name: up to 128 characters

- This unit can recognize a total of 512 files, 255 folders, and 8 hierarchical levels.
- This unit can play back files recorded in VBR (variable bit rate).

Files recorded in VBR have a discrepancy in the elapsed time display, and do not show the actual elapsed time. In particular, this difference becomes noticeable after performing the search function.
- This unit cannot play back the following files:
 - MP3 files encoded in MP3i and MP3 PRO format.
 - MP3 files encoded in an inappropriate format.
 - MP3 files encoded with Layer 1/2.
 - WMA files encoded in lossless, professional, and voice format.
 - WMA files which are not based upon Windows Media® Audio.
 - WMA files copy-protected with DRM.
 - Files which have data such as AIFF, ATRAC3, etc.
- The search function works but search speed is not constant.

Ejecting a disc

- If the ejected disc is not removed within 15 seconds, it is automatically inserted into the loading slot again to protect it from dust. Playback starts automatically.

Title assignment

- If you try to assign titles to more than 30 station frequencies, “NAME FULL” appears. Delete unwanted titles before assignment.

Menu operations

- If you change the “AMP GAIN” setting from “HIGH POWER” to “LOW POWER” while the volume level is set higher than “VOLUME 30,” the unit automatically changes the volume level to “VOLUME 30.”

Troubleshooting

What appears to be trouble is not always serious. Check the following points before calling a service center.

	Symptoms	Remedies/Causes
General	<ul style="list-style-type: none"> Sound cannot be heard from the speakers. 	<ul style="list-style-type: none"> Adjust the volume to the optimum level. Check the cords and connections.
	<ul style="list-style-type: none"> The unit does not work at all. 	Reset the unit (see page 3).
	<ul style="list-style-type: none"> "AUX IN" cannot be selected. 	Check the "SRC SELECT" → "AUX IN" setting (see page 14).
FM/AM	<ul style="list-style-type: none"> SSM automatic presetting does not work. 	Store stations manually.
	<ul style="list-style-type: none"> Static noise while listening to the radio. 	Connect the antenna firmly.
	<ul style="list-style-type: none"> "AM" cannot be selected. 	Check the "SRC SELECT" → "AM" setting (see page 14).
Disc playback	<ul style="list-style-type: none"> Disc cannot be played back. 	Insert the disc correctly.
	<ul style="list-style-type: none"> CD-R/CD-RW cannot be played back. Tracks on the CD-R/CD-RW cannot be skipped. 	<ul style="list-style-type: none"> Insert a finalized CD-R/CD-RW. Finalize the CD-R/CD-RW with the component which you used for recording.
	<ul style="list-style-type: none"> Disc can neither be played back nor ejected. 	<ul style="list-style-type: none"> Unlock the disc (see page 9). Eject the disc forcibly (see page 3).
	<ul style="list-style-type: none"> Disc sound is sometimes interrupted. 	<ul style="list-style-type: none"> Stop playback while driving on rough roads. Change the disc. Check the cords and connections.
	<ul style="list-style-type: none"> "NO DISC" appears on the display. 	Insert a playable disc into the loading slot.
	<ul style="list-style-type: none"> "PLEASE" and "EJECT" appear alternately on the display. 	Press ▲, then insert a disc correctly.

Continued on the next page

MP3/WMA playback (for KD-R306/KD-R305)

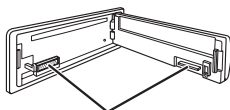
Symptoms	Remedies/Causes
<ul style="list-style-type: none"> Disc cannot be played back. 	<ul style="list-style-type: none"> Use a disc with MP3/WMA tracks recorded in a format compliant with ISO 9660 Level 1, Level 2, Romeo, or Joliet. Add the extension code <.mp3> or <.wma> to the file names.
<ul style="list-style-type: none"> Noise is generated. 	Skip to another track or change the disc. (Do not add the extension code <.mp3> or <.wma> to non-MP3 or WMA tracks.)
<ul style="list-style-type: none"> A longer readout time is required ("READING" keeps flashing on the display). 	Do not use too many hierarchical levels and folders.
<ul style="list-style-type: none"> Tracks do not play back in the order you have intended them to play. 	The playback order is determined when the files are recorded.
<ul style="list-style-type: none"> The elapsed playing time is not correct. 	This sometimes occurs during playback. This is caused by how the tracks are recorded on the disc.
<ul style="list-style-type: none"> The correct characters are not displayed (e.g. album name). 	This unit can only display letters (upper case), numbers, and a limited number of symbols.

- Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Maintenance

How to clean the connectors

Frequent detachment will deteriorate the connectors. To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.



Connectors

Moisture condensation

Moisture may condense on the lens inside the unit in the following cases:

- After starting the heater in the car.
- If it becomes very humid inside the car.

Should this occur, the unit may malfunction. In this case, eject the disc and leave the unit turned on for a few hours until the moisture has evaporated.

How to handle discs

When removing a disc from its case, press down the center holder of the case and lift the disc out, holding it by the edges.



- Always hold the disc by the edges. Do not touch its recording surface.

When storing a disc in its case, gently insert the disc around the center holder (with the printed surface facing up).

- Make sure to store discs in cases after use.

To keep discs clean

A dirty disc may not play correctly.

If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.



- Do not use any solvents (for example, conventional record cleaner, spray, thinner, benzene, etc.) to clean discs.

To play new discs

New discs may have some rough spots around the inner and outer edges. If such a disc is used, this unit may reject the disc.



To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

Do not use the following discs:

Single CD (8 cm disc)



Warped disc



Sticker and sticker residue



Stick-on label



Unusual shape



C-thru Disc (semi-transparent disc)



Transparent or semi-transparent parts on its recording area



Specifications

AUDIO AMPLIFIER SECTION

Maximum Power Output:	Front/Rear:	50 W per channel
Continuous Power Output (RMS):	Front/Rear:	19 W per channel into 4 Ω , 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.
Load Impedance:		4 Ω (4 Ω to 8 Ω allowance)
Tone Control Range:	Bass:	± 12 dB at 100 Hz
	Treble:	± 12 dB at 10 kHz
Frequency Response:		40 Hz to 20 000 Hz
Signal-to-Noise Ratio:		70 dB
Line-Out Level/Impedance:		2.5 V/20 k Ω load (full scale)
Output Impedance:		1 k Ω
Other Terminal:		AUX (auxiliary) input jack, Antenna input

TUNER SECTION

Frequency Range:	FM:	87.5 MHz to 108.0 MHz
	AM:	531 kHz to 1 602 kHz
FM Tuner	Usable Sensitivity:	11.3 dBf (1.0 μ V/75 Ω)
	50 dB Quieting Sensitivity:	16.3 dBf (1.8 μ V/75 Ω)
	Alternate Channel Selectivity (400 kHz):	65 dB
	Frequency Response:	40 Hz to 15 000 Hz
	Stereo Separation:	30 dB
AM Tuner	Sensitivity:	20 μ V
	Selectivity:	35 dB

CD PLAYER SECTION	
Type:	Compact disc player
Signal Detection System:	Non-contact optical pickup (semiconductor laser)
Number of Channels:	2 channels (stereo)
Frequency Response:	5 Hz to 20 000 Hz
Dynamic Range:	93 dB
Signal-to-Noise Ratio:	98 dB
Wow and Flutter:	Less than measurable limit
For KD-R306/KD-R305:	
MP3 Decoding Format: (MPEG1/2 Audio Layer 3)	Max. Bit Rate: 320 kbps
WMA (Windows Media® Audio) Decoding Format:	Max. Bit Rate: 192 kbps

GENERAL		
Power Requirement:	Operating Voltage:	DC 14.4 V (11 V to 16 V allowance)
Grounding System:	Negative ground	
Allowable Operating Temperature:	0°C to +40°C	
Dimensions (W × H × D): (approx.)	Installation Size:	182 mm × 52 mm × 160 mm
	Panel Size:	188 mm × 58 mm × 6 mm
Mass:	1.3 kg (excluding accessories)	

Design and specifications are subject to change without notice.

Having TROUBLE with operation?
Please reset your unit

Refer to page of How to reset your unit

**Ada MASALAH dengan cara
pengoperasian?**

Setel kembali unit Anda

Lihat halaman mengenai Bagaimana mereset unit anda

JVC



EN, IN

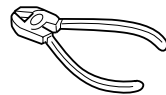
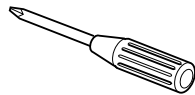
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0808DTSMDTJEIN



KD-R306/KD-R305/KD-R206/KD-R205

Installation/Connection Manual Manual Pemasangan/Penyambungan



GET0564-009A
[UN]

0808DTSMDTJEIN
EN, IN

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ENGLISH

This unit is designed to operate on **12 V DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC car audio dealers.

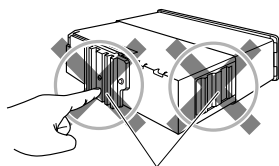
WARNINGS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the unit.

- **Be sure to ground this unit to the car's chassis again after installation.**

Notes:

- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
- It is recommended to connect speakers with a maximum power of more than 50 W (both at the rear and at the front, with an impedance of **4 Ω to 8 Ω**). If the maximum power is less than 50 W, change "AMP GAIN" setting to prevent the speakers from being damaged (see page 14 of the INSTRUCTIONS).
- To prevent short circuits, cover the terminals of the UNUSED leads with insulating tape.
- The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.



Heat sink / Pendingin

INDONESIA

Unit ini didisain untuk beroperasi hanya pada **12 V DC, sistem listrik tanah NEGATIVE**. Jika kendaraan anda tidak memiliki sistem ini, sebuah pembalik tegangan diperlukan, yang mana dapat dibeli di penyalur-penyalar audio mobil JVC.

PERINGATAN

Untuk mencegah hubungan pendek, kami menyarankan anda memutuskan sambungan terminal negatif baterai dan membuat semua sambungan-sambungan listrik sebelum memasang unit.

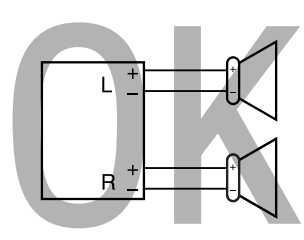
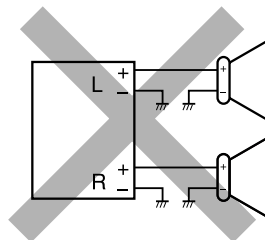
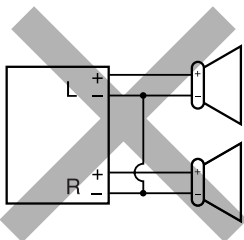
- **Pastikan untuk mentanahkan unit ini ke casis mobil kembali setelah pemasangan.**

Catatan:

- Ganti sekering dengan voltase yang sudah ditetapkan. Jika sekering sering meledak, konsultasikan pada penyalur audio mobil JVC anda.
- Disarankan untuk menghubungkan speaker-speaker dengan maksimum power lebih dari 50 W (keduanya di belakang dan di depan, dengan sebuah impedansi **4 Ω sampai 8 Ω**). Jika maksimum power kurang dari 50 W, ganti pengaturan "AMP GAIN" ("PENAMBAH PENGUAT") untuk mencegah speaker-speaker dari kerusakan (lihat halaman 14 dari BUKU PETUNJUK).
- Untuk mencegah hubungan pendek, tutup ujung-ujung terminal-terminal TIDAK DIGUNAKAN dengan pita isolasi.
- Pendingin menjadi sangat panas setelah digunakan. Hati-hati untuk tidak menyentuhnya ketika memindahkan unit ini.

PRECAUTIONS on power supply and speaker connections:

- **DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.**
- BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.

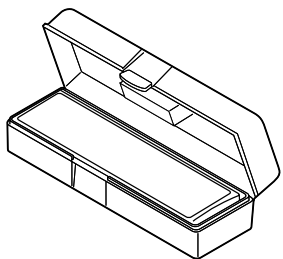


TINDAKAN-TINDAKAN PENCEGAHAN pada suplai power dan sambungan-sambungan speaker:

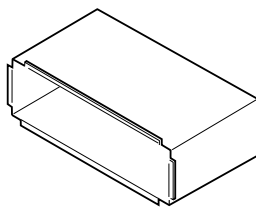
- **JANGAN sambungkan ujung-ujung speaker dari kabel power ke baterai mobil; sebaliknya, unit tersebut akan secara serius rusak.**
- **SEBELUM menyambung ujung-ujung speaker dari kabel power ke speaker-speaker, cek perkabelan speaker dalam mobil anda.**

Parts list for installation and connection

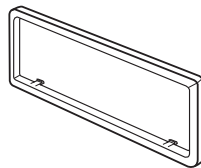
The following parts are provided for this unit. If any item is missing, consult your JVC car audio dealer immediately.



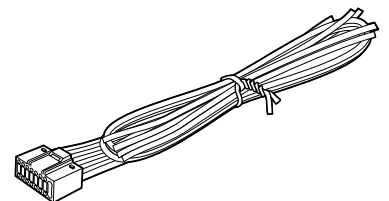
(A) / (B)
Hard case (for KD-R306/KD-R305)/Control panel
Kotak keras (untuk KD-R306/KD-R305)/Panel kontrol



(C)
Sleeve
Selongsong



(D)
Trim plate
Plat rapi



(E)
Power cord
Kabel power

(F)
Washer ($\phi 5$)
Perapat sambungan ($\phi 5$)



(G)
Lock nut (M5)
Mur kunci (M5)



(H)
Mounting bolt (M4 \times 5 mm; M5 \times 12.5 mm)
Baut bingkai (M4 \times 5 mm; M5 \times 12.5 mm)



(I)
Rubber cushion
Bantalan karet



(J)
Handles
Pegangan-pegangan



For KD-R306/KD-R305 / Untuk KD-R306/KD-R305

(K)
Remote controller
Pengontrol jauh



RM-RK50

(L)
Battery
Baterai

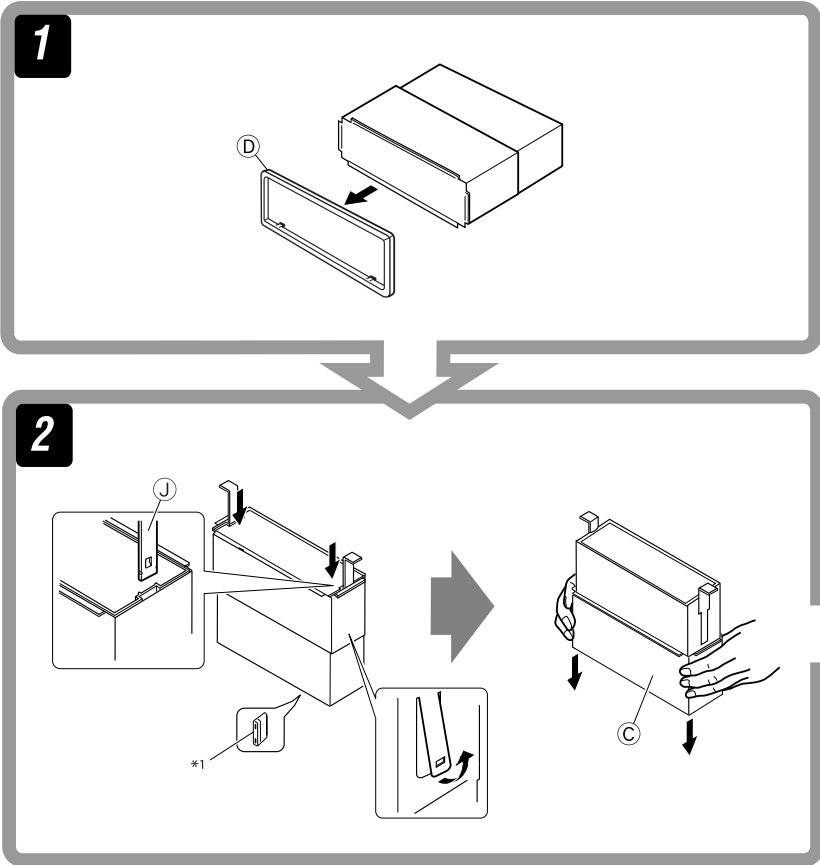


CR2025

INSTALLATION (IN-DASH MOUNTING)

The following illustration shows a typical installation. If you have any questions or require information regarding installation kits, consult your JVC car audio dealer or a company supplying kits.

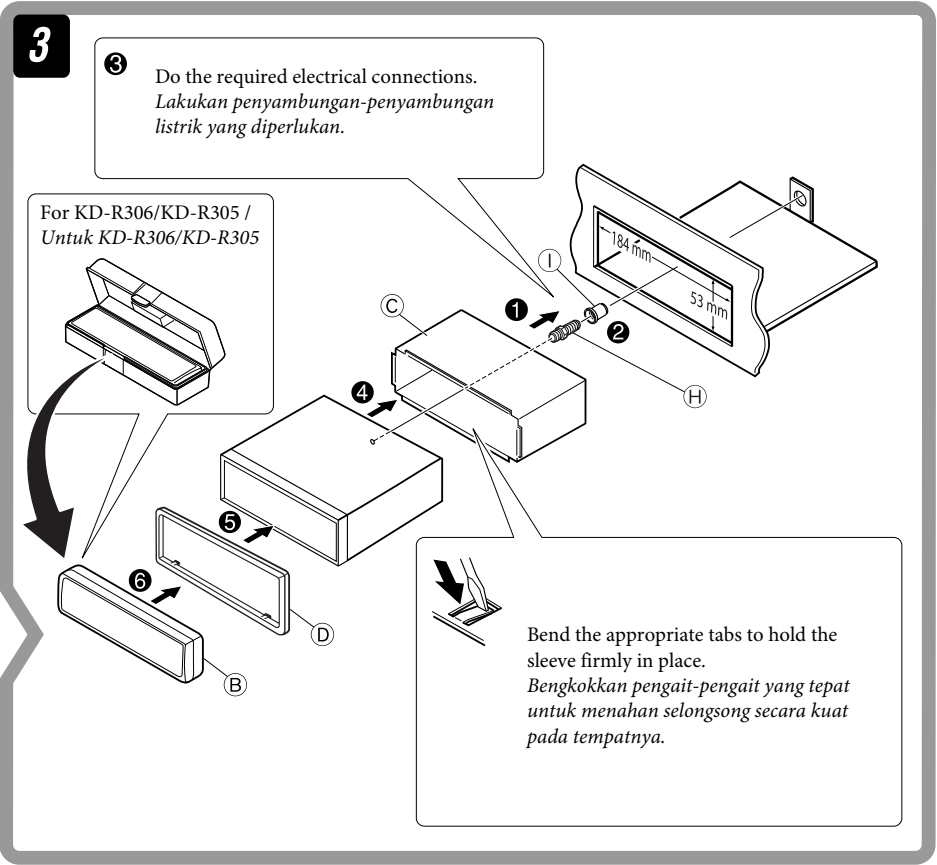
- If you are not sure how to install this unit correctly, have it installed by a qualified technician.



PEMASANGAN (BINGKAI-DALAM DASH)

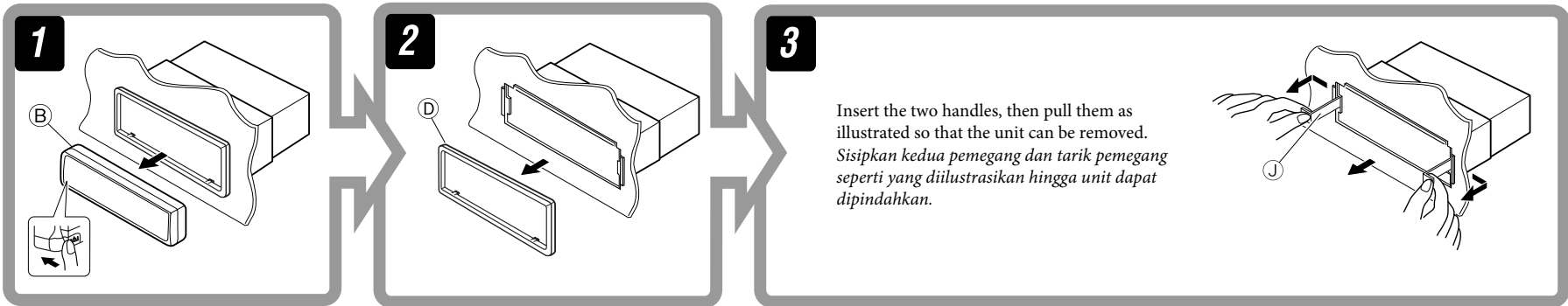
Ilustrasi berikut menunjukkan sebuah tipe pemasangan. Jika anda mempunyai suatu pertanyaan atau informasi yang diperlukan mengenai alat-alat pemasangan, konsultasikan pada penyalur audio mobil JVC atau sebuah perusahaan yang mensuplai alat-alat.

- Jika anda tidak yakin bagaimana memasang unit ini dengan benar, biarkan dipasang dengan teknisi yang berkualitas.



Removing the unit

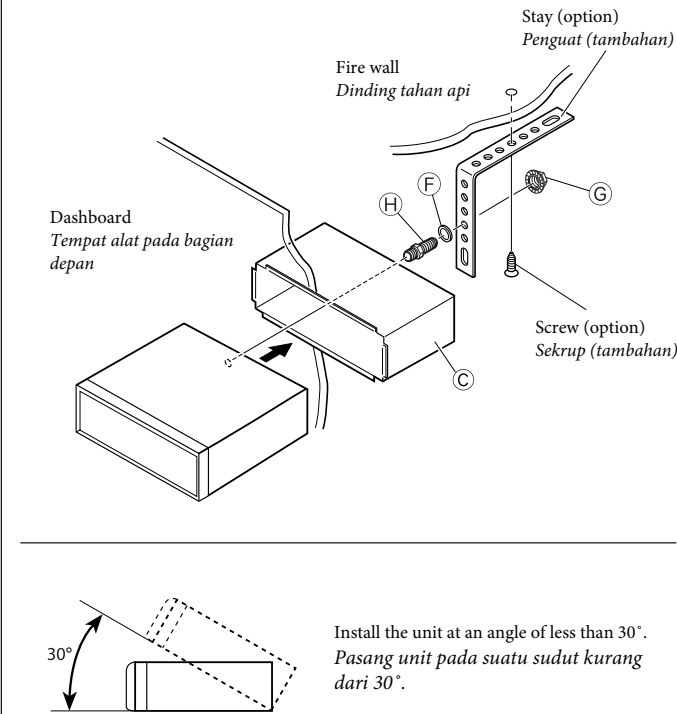
Before removing the unit, release the rear section.



Memindahkan unit

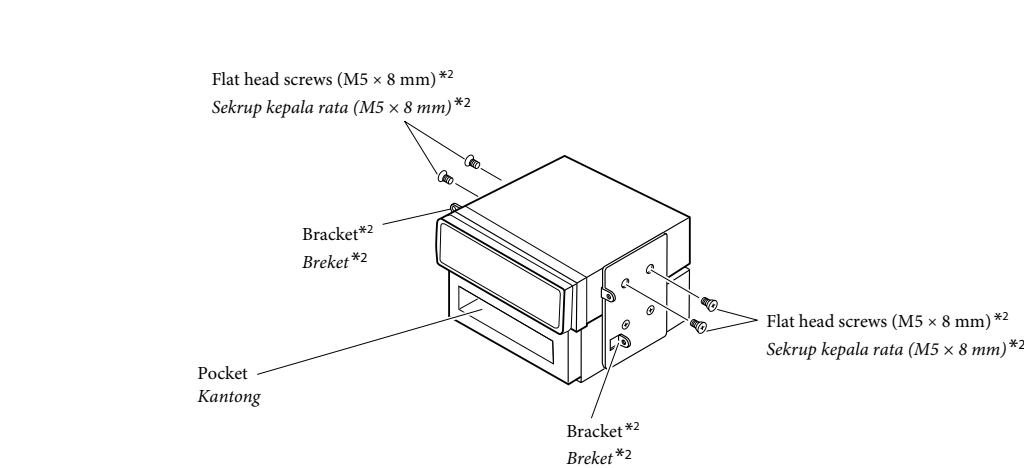
Sebelum memindahkan unit, lepaskan seksi belakang.

When using the optional stay / Ketika menggunakan penguat tambahan



When installing the unit without using the sleeve / Ketika memasang unit tanpa menggunakan selongsong

In a Toyota car for example, first remove the car radio and install the unit in its place. Dalam sebuah kereta Toyota misalnya, pertama pindahkan radio mobil dan pasang unit tersebut ke dalam tempatnya.



Note : When installing the unit on the mounting bracket, make sure to use the 8 mm-long screws. If longer screws are used, they could damage the unit.

Catatan : Ketika memasang unit pada breket bingkai, pastikan untuk menggunakan sekrup-sekrup panjang-8 mm. Jika sekrup yang lebih panjang digunakan, maka dapat merusak unit.

*1 When you stand the unit, be careful not to damage the fuse on the rear.
*2 Not supplied for this unit.

*1 Ketika anda memberdirikan unit, hati-hati untuk tidak merusak sekring di belakang.
*2 Tidak disediakan untuk unit ini.

ELECTRICAL CONNECTIONS

SAMBUNGAN-SAMBUNGAN LISTRIK

A

Typical connections / Ciri khas sambungan-sambungan

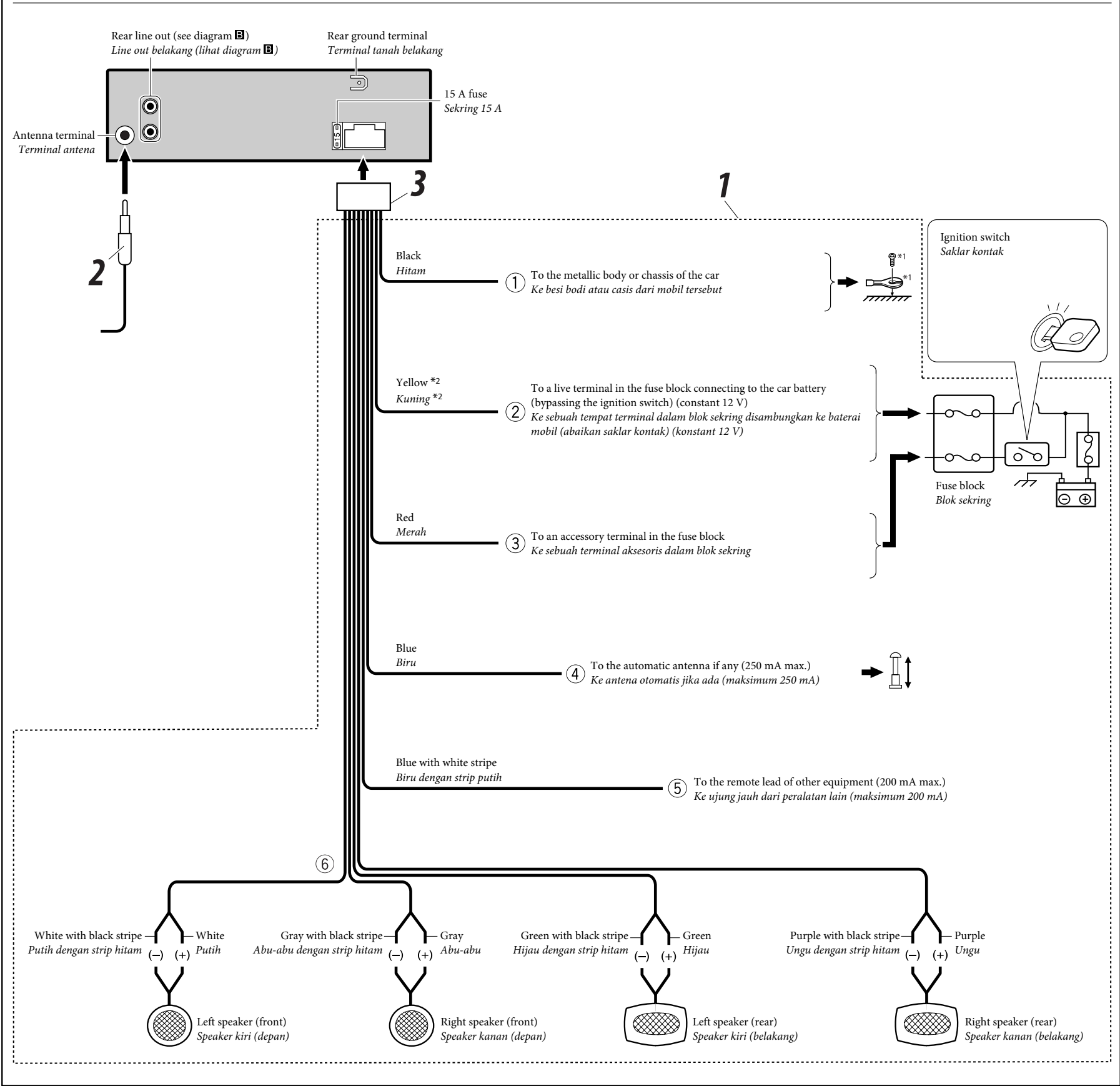
- Before connecting:** Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this unit.

The leads of the power cord and those of the connector from the car body may be different in color.

 - 1 Connect the colored leads of the power cord in the order specified in the illustration below.
 - 2 Connect the antenna cord.
 - 3 Finally connect the wiring harness to the unit.
- Sebelum penyambungan:** Cek perkabelan dalam mobil dengan hati-hati. Penyambungan yang tidak benar mungkin menyebabkan kerusakan serius pada unit.

Ujung dari kabel power dan beberapa konektor dari bodi mobil mungkin berbeda dalam warna.

 - 1 Sambungkan ujung berwarna dari kabel power dalam urutan spesifikasi pada ilustrasi di bawah.
 - 2 Sambungkan kabel antenna.
 - 3 Akhirnya sambungkan kedudukan kabel ke unit.



*1 Not supplied for this unit.

*2 Before checking the operation of this unit prior to installation, this lead must be connected, otherwise the power cannot be turned on.

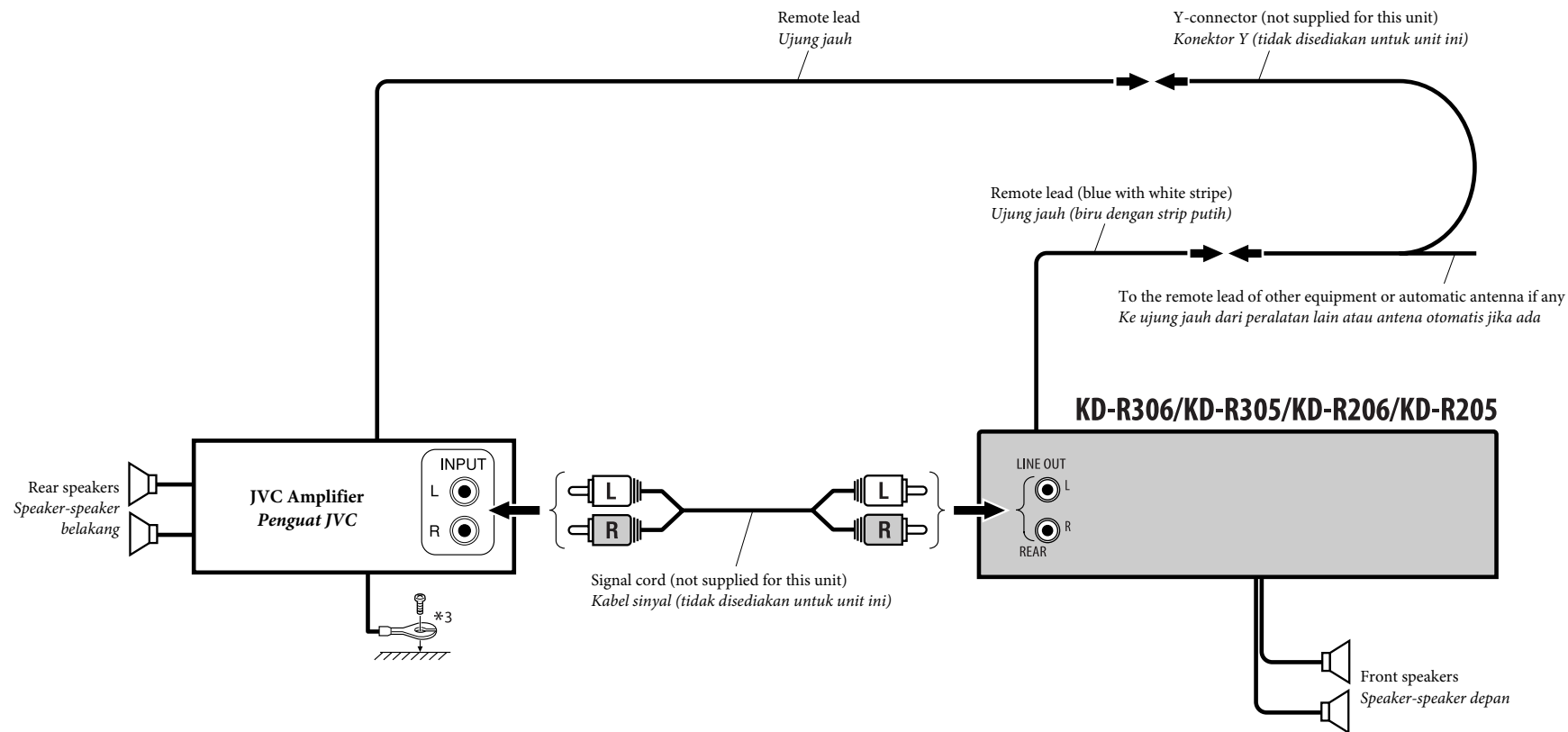
*1 Tidak disediakan untuk unit ini.

*2 Sebelum pengecekan pengoperasian dari unit ini sebelum pemasangan, ujung ini harus sudah dihubungkan, selain itu power tidak dapat dihidupkan.

B Connecting the external amplifier / Penyambungan penguat eksternal

- You can connect an amplifier to upgrade your car stereo system.
- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this unit.
 - **Disconnect the speakers from this unit, connect them to the amplifier. Leave the speaker leads of this unit unused.**

- Anda dapat menyambungkan penguat-penguat untuk meningkatkan sistem stereo mobil anda.
- Sambungkan ujung jauh (biru dengan strip putih) ke ujung jauh dari peralatan lain sehingga dapat dikontrol melalui unit ini.
 - **Putuskan sambungan speaker-speaker dari unit ini, sambungkan ini ke penguat. Biarkan ujung speaker dari unit ini tidak digunakan.**



^{*3} Firmly attach the ground wire to the metallic body or to the chassis of the car—to the place uncoated with paint (if coated with paint, remove the paint before attaching the wire). Failure to do so may cause damage to the unit.

^{*3} Pasangkan dengan kuat kabel tanah ke bodi besi atau ke casis dari mobil—pada tempat yang tidak dilapisi cat (jika dilapisi cat, hilangkan cat sebelum memasang kabel). Kegagalan melakukan ini mungkin menyebabkan kerusakan pada unit tersebut.

TROUBLESHOOTING

- **The fuse blows.**
 - * Are the red and black leads connected correctly?
- **Power cannot be turned on.**
 - * Is the yellow lead connected?
- **No sound from the speakers.**
 - * Is the speaker output lead short-circuited?
- **Sound is distorted.**
 - * Is the speaker output lead grounded?
 - * Are the “–” terminals of L and R speakers grounded in common?
- **Noise interfere with sounds.**
 - * Is the rear ground terminal connected to the car’s chassis using shorter and thicker cords?
- **This unit becomes hot.**
 - * Is the speaker output lead grounded?
 - * Are the “–” terminals of L and R speakers grounded in common?
- **This unit does not work at all.**
 - * Have you reset your unit?

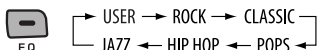
PEMECAHAN MASALAH

- **Sekring putus.**
 - * Apakah ujung-ujung merah dan hitam tersambung dengan benar?
- **Power tidak dapat dihidupkan.**
 - * Apakah ujung kuning sudah tersambung?
- **Tidak ada suara dari speaker.**
 - * Apakah ujung keluaran speaker terhubung pendek?
- **Suara terdistorsi.**
 - * Apakah ujung keluaran speaker sudah ditanahkan?
 - * Apakah terminal-terminal “–” dari speaker-speaker L dan R sudah ditanahkan secara umum?
- **Berisik yang mengganggu suara-suara.**
 - * Apakah terminal tanah belakang tersambung ke casis mobil menggunakan kabel-kabel terpendek dan tertebal?
- **Unit menjadi panas.**
 - * Apakah ujung keluaran speaker sudah ditanahkan?
 - * Apakah terminal-terminal “–” dari speaker-speaker L dan R sudah ditanahkan secara umum?
- **Unit ini tidak bekerja secara keseluruhan.**
 - * Apakah anda sudah reset (memasang kembali) unit anda?

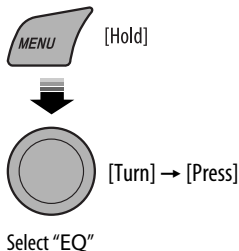
Selecting a preset sound mode

You can select a preset sound mode suitable to the music genre.

- See also page 13 ("EQ").



or
Selecting from Menu.



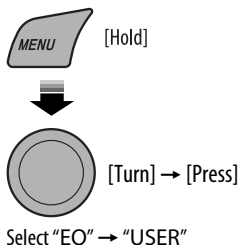
Preset value setting for each sound mode

Preset values	BASS	TREBLE	LOUD
Indication (For)			
USER (Flat sound)	00	00	OFF
ROCK (Rock or disco music)	+03	+01	ON
CLASSIC (Classical music)	+01	-02	OFF
POPS (Light music)	+04	+01	OFF
HIP HOP (Funk or rap music)	+02	00	ON
JAZZ (Jazz music)	+02	+03	OFF

Storing your own sound mode

You can store your own adjustments in memory.

1 Select "USER" for "EQ."

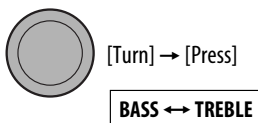


2 While "USER" is shown on the display...



- If no operation is done for about 30 seconds, the operation will be canceled.

3 Select a tone.



4 Adjust the level.

Tone	Level
BASS	-06 to +06
TREBLE	-06 to +06

To return to the previous menu, press BACK.

5 Finish the procedure.



Title assignment

You can assign titles to 30 station frequencies (FM and AM) using 8 characters (maximum) for each title.

1 Select "FM" or "AM."

SRC 

2 Show the title entry screen.

DISP  +  [Hold]



3 Assign a title.

1 Select a character.



A	B	C	D	E	F	G
H	I	J	K	L	M	N
O	P	Q	R	S	T	U
V	W	X	Y	Z	0	1
2	3	4	5	6	7	8
9	-	/	<	>	space	

2 Move to the next (or previous) character position.



3 Repeat steps 1 and 2 until you finish entering the title.

4 Finish the procedure.





To erase the entire title

In step 2 above...



Menu operations

1  [Hold]	2  [Turn] → [Press]	3 Repeat step 2 if necessary. <ul style="list-style-type: none"> To return to the previous menu, press BACK.
---	---	---

Initial: **Underlined**

Category	Menu items	Selectable settings, [reference page]
DEMO	DEMO Display demonstration	<ul style="list-style-type: none"> • <u>DEMO ON</u> : Display demonstration will be activated automatically if no operation is done for about 20 seconds, [7]. • DEMO OFF : Cancels.
CLOCK	CLOCK DISP *1 Clock display	<ul style="list-style-type: none"> • CLOCK ON : Clock time is shown on the display at all times when the power is turned off. • <u>CLOCK OFF</u> : Cancels; pressing DISP will show the clock time for about 5 seconds when the power is turned off, [7].
	CLOCK SET Clock setting	: Adjust the hour, then the minute, [7]. [Initial: 1:00]
EQ	EQ Equalizer	: Select a preset sound mode suitable to the music genre. <u>USER, ROCK, CLASSIC, POPS, HIP HOP, JAZZ</u>
DISPLAY	DIMMER Dimmer	<ul style="list-style-type: none"> • DIMMER ON : Dims the display and button illumination. • <u>DIMMER OFF</u> : Cancels.
	SCROLL *2 Scroll	<ul style="list-style-type: none"> • <u>SCROLL ONCE</u> : Scrolls the displayed information once. • SCROLL AUTO : Repeats scrolling (at 5-second intervals). • SCROLL OFF : Cancels. Pressing DISP for more than one second can scroll the display regardless of the setting.
	TAG DISPLAY Tag display (For KD-R306/ KD-R305)	<ul style="list-style-type: none"> • <u>TAG ON</u> : Shows the Tag information while playing MP3/WMA tracks. • TAG OFF : Cancels.

*1 If the power supply is not interrupted by turning off the ignition key of your car, it is recommended to select "CLOCK OFF" to save the car's battery.

*2 Some characters or symbols will not be shown correctly (or will be blanked) on the display.

Continued on the next page

Category	Menu items	Selectable settings, [reference page]
TUNER	MONO * ³ Monaural mode	<ul style="list-style-type: none"> • MONO ON : Activate monaural mode to improve FM reception, but stereo effect will be lost, [8]. • MONO OFF : Restore the stereo effect.
	IF BAND Intermediate frequency band	<ul style="list-style-type: none"> • AUTO : Increases the tuner selectivity to reduce interference noises between adjacent stations. (Stereo effect may be lost.) • WIDE : Subject to interference noises from adjacent stations, but sound quality will not be degraded and the stereo effect will remain.
AUDIO	FADER * ⁴ Fader	R06 – F06 : Adjust the front and rear speaker output balance. [Initial: 00]
	BALANCE Balance	L06 – R06 : Adjust the left and right speaker output balance. [Initial: 00]
	LOUD Loudness	<ul style="list-style-type: none"> • LOUD OFF : Cancels. • LOUD ON : Boost low and high frequencies to produce a well-balanced sound at a low volume level.
	AUX ADJUST Auxiliary input level adjustment	AUX ADJ 00 — AUX ADJ 05 : Adjust the auxiliary input level to avoid the sudden increase of the output level when changing the source to external component connected to the AUX input jack on the control panel.
	BEEP Keypress tone	<ul style="list-style-type: none"> • BEEP OFF : Deactivates the keypress tone. • BEEP ON : Activates the keypress tone.
	AMP GAIN * ⁵ Amplifier gain control	<ul style="list-style-type: none"> • LOW POWER : VOLUME 00 – VOLUME 30 (Select if the maximum power of each speaker is less than 50 W to prevent damaging the speaker.) • HIGH POWER : VOLUME 00 – VOLUME 50
SRC SELECT	AM * ⁶ AM station	<ul style="list-style-type: none"> • AM OFF : Disable “AM” in source selection. • AM ON : Enable “AM” in source selection, [4].
	AUX IN * ⁷ Auxiliary input	<ul style="list-style-type: none"> • AUX OFF : Disable “AUX IN” in source selection. • AUX ON : Enable “AUX IN” in source selection, [4].

*³ Displayed only when the source is “FM.”

*⁴ If you are using a two-speaker system, set the fader level to “00.”

*⁵ The volume level automatically changes to “VOLUME 30” if you change to “LOW POWER” with the volume level set higher than “VOLUME 30.”

*⁶ Displayed only when any source other than “AM” is selected.

*⁷ Displayed only when any source other than “AUX IN” is selected.

More about this unit

Basic operations

Turning on the power

- By pressing SRC button on the unit, you can also turn on the power. If the source is ready, playback also starts.

Turning off the power

- If you turn off the power while listening to a track, playback will start from where it had been stopped previously next time you turn on the power.

General

- If you change the source while listening to a disc, playback stops.
Next time you select "CD" as the playback source, playback will start from where it had been stopped previously.
- After ejecting a disc, "NO DISC" appears and you cannot operate some of the buttons. Insert another disc or press SRC to select another playback source.
- If no operation is done for about 30 seconds after pressing MENU button, the operation will be canceled.

Tuner operations

Storing stations in memory

- During SSM search...
 - All previously stored stations are erased and the stations are stored anew.
 - When SSM is over, the station stored in the lowest preset number will be automatically tuned in.
- When storing a station manually, the previously preset station is erased when a new station is stored in the same preset number.

Disc operations

Caution for DualDisc playback

- The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

General

- This unit has been designed to reproduce CDs/CD Texts, and CD-Rs (Recordable)/CD-RWs (Rewritable) in audio CD (CD-DA), MP3/WMA (for KD-R306/KD-R305) formats.
- When a disc is inserted upside down, "PLEASE" and "EJECT" appear alternately on the display. Press ▲ to eject the disc.
- KD-R306/KD-R305: MP3 and WMA "tracks" (words "file" and "track" are used interchangeably) are recorded in "folders."
- KD-R306/KD-R305: While fast-forwarding or reversing on an MP3 or WMA disc, you can only hear intermittent sounds.

Playing a CD-R or CD-RW

- Use only "finalized" CD-Rs or CD-RWs.
- KD-R306/KD-R305: This unit can only play back files of the same type as those detected first if a disc includes both audio CD (CD-DA) files and MP3/WMA files.
- This unit can play back multi-session discs; however, unclosed sessions will be skipped while playing.
- Some CD-Rs or CD-RWs may not play back on this unit because of their disc characteristics, or for the following reasons:
 - Discs are dirty or scratched.
 - Moisture condensation has occurred on the lens inside the unit.
 - The pickup lens inside the unit is dirty.

Continued on the next page

- The files on the CD-R/CD-RW are written using the “Packet Write” method.
- There are improper recording conditions (missing data, etc.) or media conditions (stained, scratched, warped, etc.).
- CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than that of regular CDs.
- Do not use the following CD-Rs or CD-RWs:
 - Discs with stickers, labels, or a protective seal stuck to the surface.
 - Discs on which labels can be directly printed by an ink jet printer.

Using these discs under high temperature or high humidity may cause malfunctions or damage to the unit.

Playing an MP3/WMA disc (for KD-R306/KD-R305)

- This unit can play back MP3/WMA files with the extension code <.mp3> or <.wma> (regardless of the letter case—upper/lower).
- This unit can show the names of albums, artists (performer), and Tag (Version 1.0, 1.1, 2.2, 2.3, or 2.4) for MP3 files and for WMA files.
- This unit can display only one-byte characters. No other characters can be correctly displayed.
- This unit can play back MP3/WMA files meeting the conditions below:
 - Bit rate: 8 kbps — 320 kbps
 - Sampling frequency:
 - 48 kHz, 44.1 kHz, 32 kHz (for MPEG-1)
 - 24 kHz, 22.05 kHz, 16 kHz (for MPEG-2)
 - Disc format: ISO 9660 Level 1/Level 2, Romeo, Joliet, Windows long file name
- The maximum number of characters for file/folder names vary depending on the disc format used (includes 4 extension characters—<.mp3> or <.wma>).
 - ISO 9660 Level 1: up to 12 characters
 - ISO 9660 Level 2: up to 31 characters
 - Romeo: up to 128 characters
 - Joliet: up to 64 characters
 - Windows long file name: up to 128 characters

- This unit can recognize a total of 512 files, 255 folders, and 8 hierarchical levels.
- This unit can play back files recorded in VBR (variable bit rate).

Files recorded in VBR have a discrepancy in the elapsed time display, and do not show the actual elapsed time. In particular, this difference becomes noticeable after performing the search function.
- This unit cannot play back the following files:
 - MP3 files encoded in MP3i and MP3 PRO format.
 - MP3 files encoded in an inappropriate format.
 - MP3 files encoded with Layer 1/2.
 - WMA files encoded in lossless, professional, and voice format.
 - WMA files which are not based upon Windows Media® Audio.
 - WMA files copy-protected with DRM.
 - Files which have data such as AIFF, ATRAC3, etc.
- The search function works but search speed is not constant.

Ejecting a disc

- If the ejected disc is not removed within 15 seconds, it is automatically inserted into the loading slot again to protect it from dust. Playback starts automatically.

Title assignment

- If you try to assign titles to more than 30 station frequencies, “NAME FULL” appears. Delete unwanted titles before assignment.

Menu operations

- If you change the “AMP GAIN” setting from “HIGH POWER” to “LOW POWER” while the volume level is set higher than “VOLUME 30,” the unit automatically changes the volume level to “VOLUME 30.”

Troubleshooting

What appears to be trouble is not always serious. Check the following points before calling a service center.

	Symptoms	Remedies/Causes
General	<ul style="list-style-type: none"> Sound cannot be heard from the speakers. 	<ul style="list-style-type: none"> Adjust the volume to the optimum level. Check the cords and connections.
	<ul style="list-style-type: none"> The unit does not work at all. 	Reset the unit (see page 3).
	<ul style="list-style-type: none"> "AUX IN" cannot be selected. 	Check the "SRC SELECT" → "AUX IN" setting (see page 14).
FM/AM	<ul style="list-style-type: none"> SSM automatic presetting does not work. 	Store stations manually.
	<ul style="list-style-type: none"> Static noise while listening to the radio. 	Connect the antenna firmly.
	<ul style="list-style-type: none"> "AM" cannot be selected. 	Check the "SRC SELECT" → "AM" setting (see page 14).
Disc playback	<ul style="list-style-type: none"> Disc cannot be played back. 	Insert the disc correctly.
	<ul style="list-style-type: none"> CD-R/CD-RW cannot be played back. Tracks on the CD-R/CD-RW cannot be skipped. 	<ul style="list-style-type: none"> Insert a finalized CD-R/CD-RW. Finalize the CD-R/CD-RW with the component which you used for recording.
	<ul style="list-style-type: none"> Disc can neither be played back nor ejected. 	<ul style="list-style-type: none"> Unlock the disc (see page 9). Eject the disc forcibly (see page 3).
	<ul style="list-style-type: none"> Disc sound is sometimes interrupted. 	<ul style="list-style-type: none"> Stop playback while driving on rough roads. Change the disc. Check the cords and connections.
	<ul style="list-style-type: none"> "NO DISC" appears on the display. 	Insert a playable disc into the loading slot.
	<ul style="list-style-type: none"> "PLEASE" and "EJECT" appear alternately on the display. 	Press ▲, then insert a disc correctly.

Continued on the next page

MP3/WMA playback (for KD-R306/KD-R305)

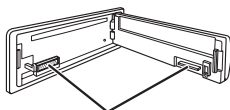
Symptoms	Remedies/Causes
<ul style="list-style-type: none"> Disc cannot be played back. 	<ul style="list-style-type: none"> Use a disc with MP3/WMA tracks recorded in a format compliant with ISO 9660 Level 1, Level 2, Romeo, or Joliet. Add the extension code <.mp3> or <.wma> to the file names.
<ul style="list-style-type: none"> Noise is generated. 	<p>Skip to another track or change the disc. (Do not add the extension code <.mp3> or <.wma> to non-MP3 or WMA tracks.)</p>
<ul style="list-style-type: none"> A longer readout time is required ("READING" keeps flashing on the display). 	<p>Do not use too many hierarchical levels and folders.</p>
<ul style="list-style-type: none"> Tracks do not play back in the order you have intended them to play. 	<p>The playback order is determined when the files are recorded.</p>
<ul style="list-style-type: none"> The elapsed playing time is not correct. 	<p>This sometimes occurs during playback. This is caused by how the tracks are recorded on the disc.</p>
<ul style="list-style-type: none"> The correct characters are not displayed (e.g. album name). 	<p>This unit can only display letters (upper case), numbers, and a limited number of symbols.</p>

- Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Maintenance

How to clean the connectors

Frequent detachment will deteriorate the connectors. To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.



Connectors

Moisture condensation

Moisture may condense on the lens inside the unit in the following cases:

- After starting the heater in the car.
- If it becomes very humid inside the car.

Should this occur, the unit may malfunction. In this case, eject the disc and leave the unit turned on for a few hours until the moisture has evaporated.

How to handle discs

When removing a disc from its case, press down the center holder of the case and lift the disc out, holding it by the edges.



- Always hold the disc by the edges. Do not touch its recording surface.

When storing a disc in its case, gently insert the disc around the center holder (with the printed surface facing up).

- Make sure to store discs in cases after use.

To keep discs clean

A dirty disc may not play correctly.

If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.



- Do not use any solvents (for example, conventional record cleaner, spray, thinner, benzene, etc.) to clean discs.

To play new discs

New discs may have some rough spots around the inner and outer edges. If such a disc is used, this unit may reject the disc.



To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

Do not use the following discs:

Single CD (8 cm disc)



Warped disc



Sticker and sticker residue



Stick-on label



Unusual shape



C-thru Disc (semi-transparent disc)



Transparent or semi-transparent parts on its recording area



Specifications

AUDIO AMPLIFIER SECTION

Maximum Power Output:	Front/Rear:	50 W per channel
Continuous Power Output (RMS):	Front/Rear:	19 W per channel into 4 Ω , 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.
Load Impedance:		4 Ω (4 Ω to 8 Ω allowance)
Tone Control Range:	Bass:	± 12 dB at 100 Hz
	Treble:	± 12 dB at 10 kHz
Frequency Response:		40 Hz to 20 000 Hz
Signal-to-Noise Ratio:		70 dB
Line-Out Level/Impedance:		2.5 V/20 k Ω load (full scale)
Output Impedance:		1 k Ω
Other Terminal:		AUX (auxiliary) input jack, Antenna input

TUNER SECTION

Frequency Range:	FM:	87.5 MHz to 108.0 MHz
	AM:	531 kHz to 1 602 kHz
FM Tuner	Usable Sensitivity:	11.3 dBf (1.0 μ V/75 Ω)
	50 dB Quieting Sensitivity:	16.3 dBf (1.8 μ V/75 Ω)
	Alternate Channel Selectivity (400 kHz):	65 dB
	Frequency Response:	40 Hz to 15 000 Hz
	Stereo Separation:	30 dB
AM Tuner	Sensitivity:	20 μ V
	Selectivity:	35 dB

CD PLAYER SECTION	
Type:	Compact disc player
Signal Detection System:	Non-contact optical pickup (semiconductor laser)
Number of Channels:	2 channels (stereo)
Frequency Response:	5 Hz to 20 000 Hz
Dynamic Range:	93 dB
Signal-to-Noise Ratio:	98 dB
Wow and Flutter:	Less than measurable limit
For KD-R306/KD-R305:	
MP3 Decoding Format: (MPEG1/2 Audio Layer 3)	Max. Bit Rate: 320 kbps
WMA (Windows Media® Audio) Decoding Format:	Max. Bit Rate: 192 kbps

GENERAL		
Power Requirement:	Operating Voltage:	DC 14.4 V (11 V to 16 V allowance)
Grounding System:	Negative ground	
Allowable Operating Temperature:	0°C to +40°C	
Dimensions (W × H × D): (approx.)	Installation Size:	182 mm × 52 mm × 160 mm
	Panel Size:	188 mm × 58 mm × 6 mm
Mass:	1.3 kg (excluding accessories)	

Design and specifications are subject to change without notice.

Having TROUBLE with operation?
Please reset your unit

Refer to page of How to reset your unit

**Ada MASALAH dengan cara
pengoperasian?**

Setel kembali unit Anda

Lihat halaman mengenai Bagaimana mereset unit anda

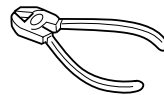
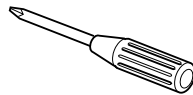
JVC





KD-R306/KD-R305/KD-R206/KD-R205

Installation/Connection Manual Manual Pemasangan/Penyambungan



GET0564-009A
[UN]

0808DTSMDTJEIN
EN, IN

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ENGLISH

This unit is designed to operate on **12 V DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC car audio dealers.

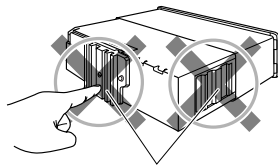
WARNINGS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the unit.

- **Be sure to ground this unit to the car's chassis again after installation.**

Notes:

- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
- It is recommended to connect speakers with a maximum power of more than 50 W (both at the rear and at the front, with an impedance of **4 Ω to 8 Ω**). If the maximum power is less than 50 W, change "AMP GAIN" setting to prevent the speakers from being damaged (see page 14 of the INSTRUCTIONS).
- To prevent short circuits, cover the terminals of the UNUSED leads with insulating tape.
- The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.



Heat sink / Pendingin

INDONESIA

Unit ini didisain untuk beroperasi hanya pada **12 V DC, sistem listrik tanah NEGATIVE**. Jika kendaraan anda tidak memiliki sistem ini, sebuah pembalik tegangan diperlukan, yang mana dapat dibeli di penyalur-penyalur audio mobil JVC.

PERINGATAN

Untuk mencegah hubungan pendek, kami menyarankan anda memutuskan sambungan terminal negatif baterai dan membuat semua sambungan-sambungan listrik sebelum memasang unit.

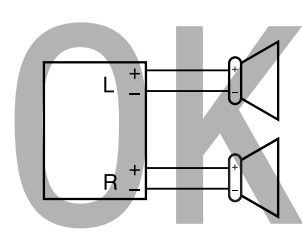
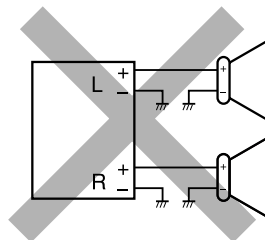
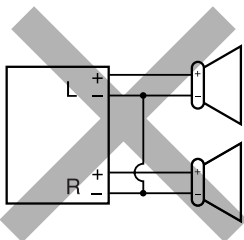
- **Pastikan untuk mentanahkan unit ini ke casis mobil kembali setelah pemasangan.**

Catatan:

- Ganti sekering dengan voltase yang sudah ditetapkan. Jika sekering sering meledak, konsultasikan pada penyalur audio mobil JVC anda.
- Disarankan untuk menghubungkan speaker-speaker dengan maksimum power lebih dari 50 W (keduanya di belakang dan di depan, dengan sebuah impedansi **4 Ω sampai 8 Ω**). Jika maksimum power kurang dari 50 W, ganti pengaturan "AMP GAIN" ("PENAMBAH PENGUAT") untuk mencegah speaker-speaker dari kerusakan (lihat halaman 14 dari BUKU PETUNJUK).
- Untuk mencegah hubungan pendek, tutup ujung-ujung terminal-terminal TIDAK DIGUNAKAN dengan pita isolasi.
- Pendingin menjadi sangat panas setelah digunakan. Hati-hati untuk tidak menyentuhnya ketika memindahkan unit ini.

PRECAUTIONS on power supply and speaker connections:

- **DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.**
- BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.

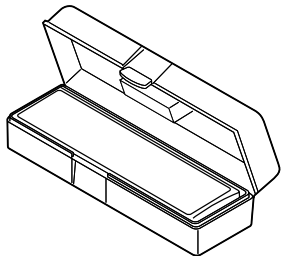


TINDAKAN-TINDAKAN PENCEGAHAN pada suplai power dan sambungan-sambungan speaker:

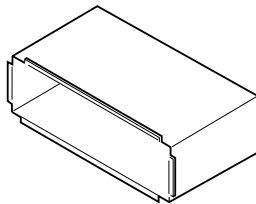
- **JANGAN sambungkan ujung-ujung speaker dari kabel power ke baterai mobil; sebaliknya, unit tersebut akan secara serius rusak.**
- **SEBELUM** menyambung ujung-ujung speaker dari kabel power ke speaker-speaker, cek perkabelan speaker dalam mobil anda.

Parts list for installation and connection

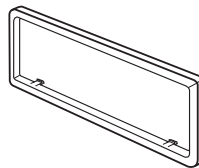
The following parts are provided for this unit. If any item is missing, consult your JVC car audio dealer immediately.



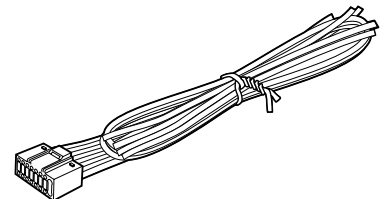
(A) / (B)
Hard case (for KD-R306/KD-R305)/Control panel
Kotak keras (untuk KD-R306/KD-R305)/Panel kontrol



(C)
Sleeve
Selongsong



(D)
Trim plate
Plat rapi



(E)
Power cord
Kabel power

(F)
Washer ($\phi 5$)
Perapat sambungan ($\phi 5$)



(G)
Lock nut (M5)
Mur kunci (M5)



(H)
Mounting bolt (M4 \times 5 mm; M5 \times 12.5 mm)
Baut bingkai (M4 \times 5 mm; M5 \times 12.5 mm)



(I)
Rubber cushion
Bantalan karet



(J)
Handles
Pegangan-pegangan



For KD-R306/KD-R305 / Untuk KD-R306/KD-R305

(K)
Remote controller
Pengontrol jauh



RM-RK50

(L)
Battery
Baterai

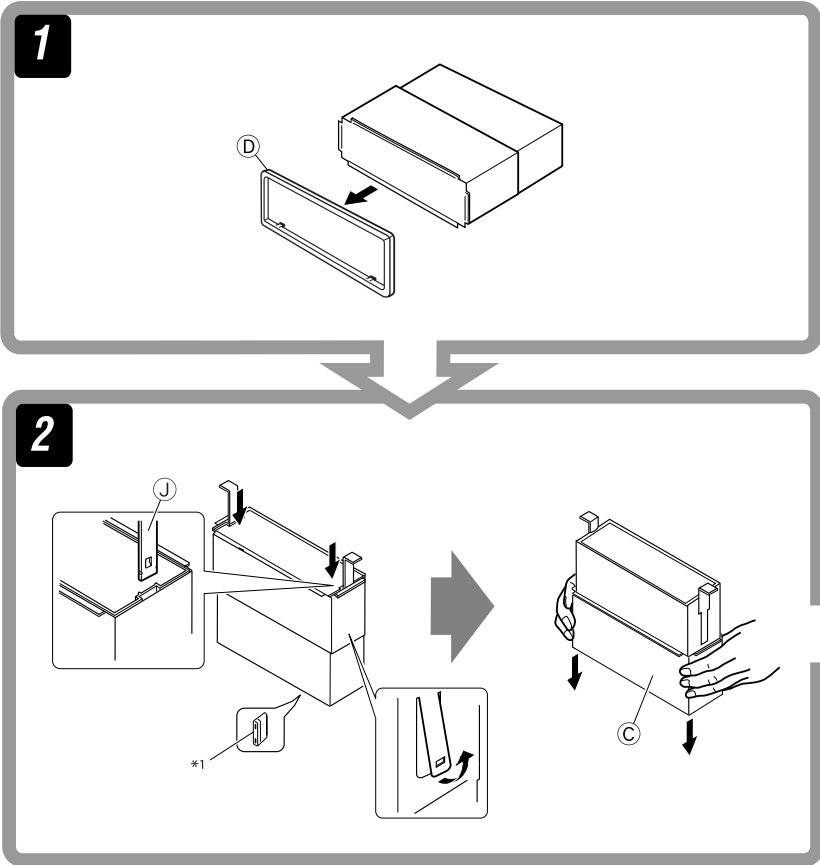


CR2025

INSTALLATION (IN-DASH MOUNTING)

The following illustration shows a typical installation. If you have any questions or require information regarding installation kits, consult your JVC car audio dealer or a company supplying kits.

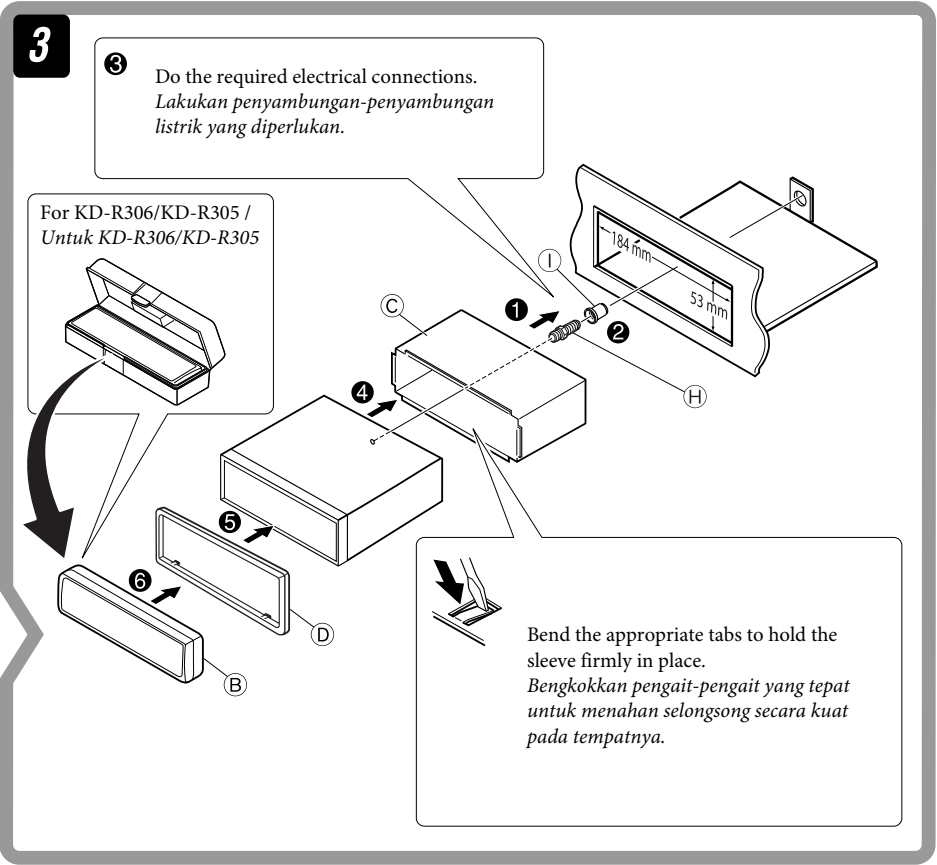
- If you are not sure how to install this unit correctly, have it installed by a qualified technician.



PEMASANGAN (BINGKAI-DALAM DASH)

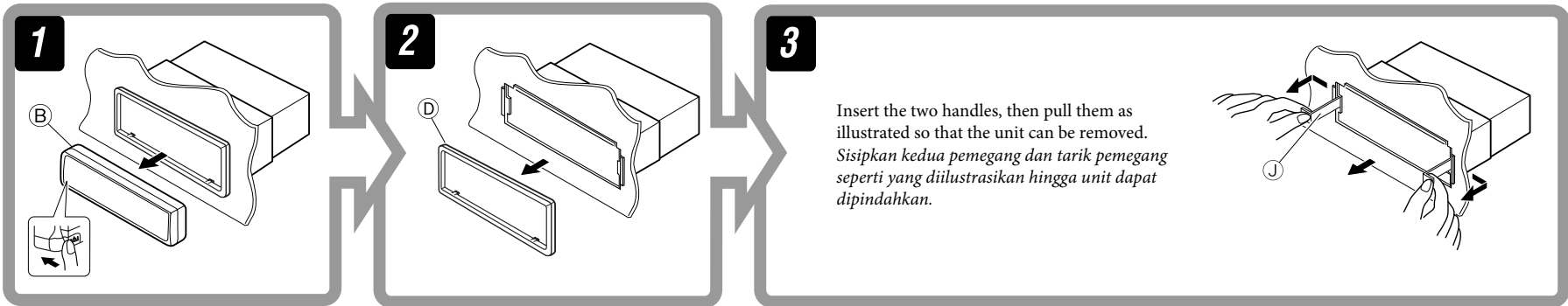
Ilustrasi berikut menunjukkan sebuah tipe pemasangan. Jika anda mempunyai suatu pertanyaan atau informasi yang diperlukan mengenai alat-alat pemasangan, konsultasikan pada penyalur audio mobil JVC atau sebuah perusahaan yang mensuplai alat-alat.

- Jika anda tidak yakin bagaimana memasang unit ini dengan benar, biarkan dipasang dengan teknisi yang berkualitas.



Removing the unit

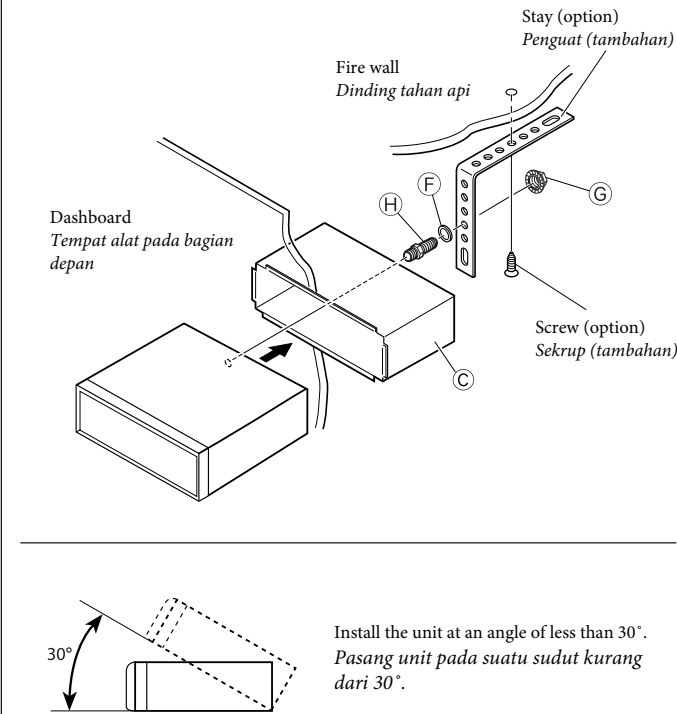
Before removing the unit, release the rear section.



Memindahkan unit

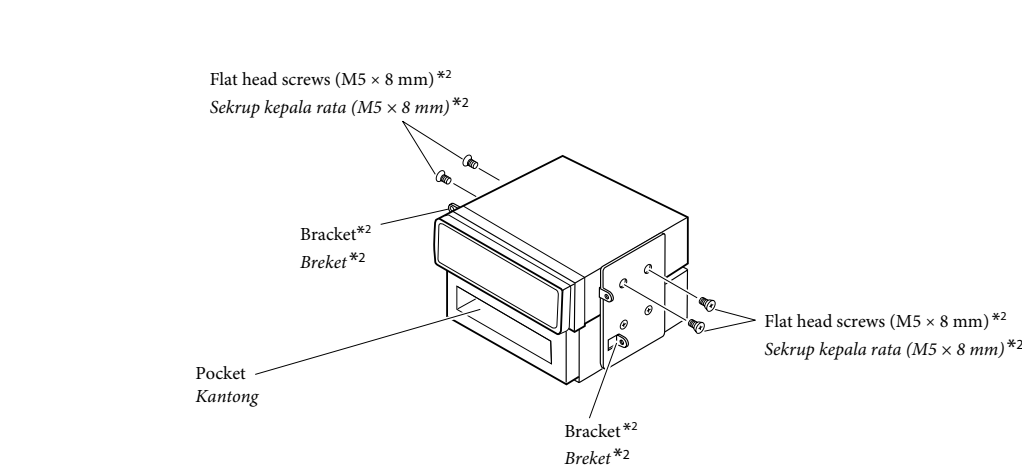
Sebelum memindahkan unit, lepaskan seksi belakang.

When using the optional stay / Ketika menggunakan penguat tambahan



When installing the unit without using the sleeve / Ketika memasang unit tanpa menggunakan selongsong

In a Toyota car for example, first remove the car radio and install the unit in its place.
Dalam sebuah kereta Toyota misalnya, pertama pindahkan radio mobil dan pasang unit tersebut ke dalam tempatnya.



Note
: When installing the unit on the mounting bracket, make sure to use the 8 mm-long screws. If longer screws are used, they could damage the unit.

Catatan
: Ketika memasang unit pada breket bingkai, pastikan untuk menggunakan sekrup-sekrup panjang-8 mm. Jika sekrup yang lebih panjang digunakan, maka dapat merusak unit.

*1 When you stand the unit, be careful not to damage the fuse on the rear.
*2 Not supplied for this unit.

*1 Ketika anda memberdirikan unit, hati-hati untuk tidak merusak sekring di belakang.
*2 Tidak disediakan untuk unit ini.

ELECTRICAL CONNECTIONS

SAMBUNGAN-SAMBUNGAN LISTRIK

A Typical connections / Ciri khas sambungan-sambungan

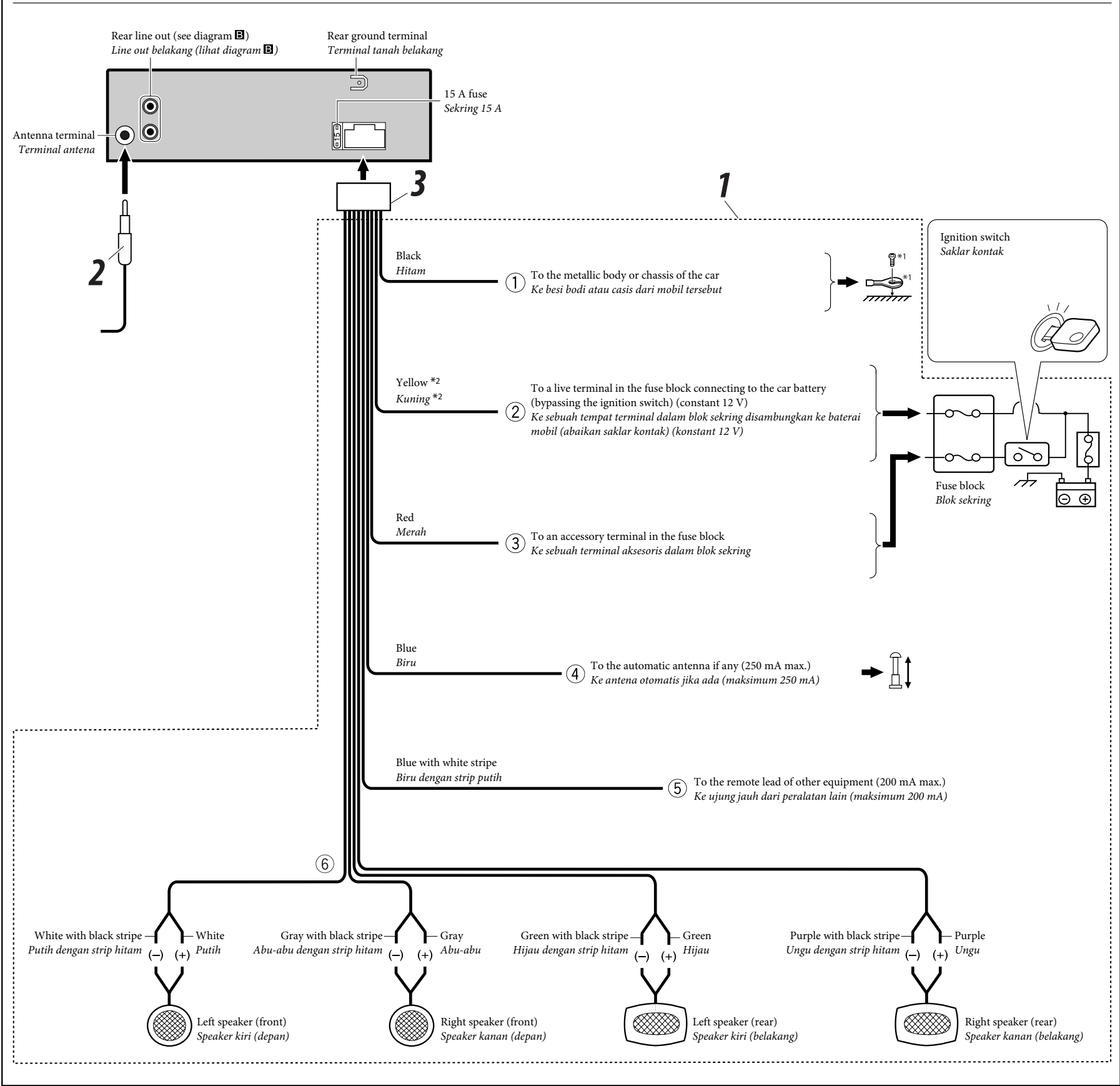
- Before connecting:** Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this unit.

The leads of the power cord and those of the connector from the car body may be different in color.

 - 1 Connect the colored leads of the power cord in the order specified in the illustration below.
 - 2 Connect the antenna cord.
 - 3 Finally connect the wiring harness to the unit.
- Sebelum penyambungan:** Cek perkabelan dalam mobil dengan hati-hati. Penyambungan yang tidak benar mungkin menyebabkan kerusakan serius pada unit.

Ujung dari kabel power dan beberapa konektor dari bodi mobil mungkin berbeda dalam warna.

 - 1 Sambungkan ujung berwarna dari kabel power dalam urutan spesifikasi pada ilustrasi di bawah.
 - 2 Sambungkan kabel antenna.
 - 3 Akhirnya sambungkan kedudukan kabel ke unit.



*1 Not supplied for this unit.

*2 Before checking the operation of this unit prior to installation, this lead must be connected, otherwise the power cannot be turned on.

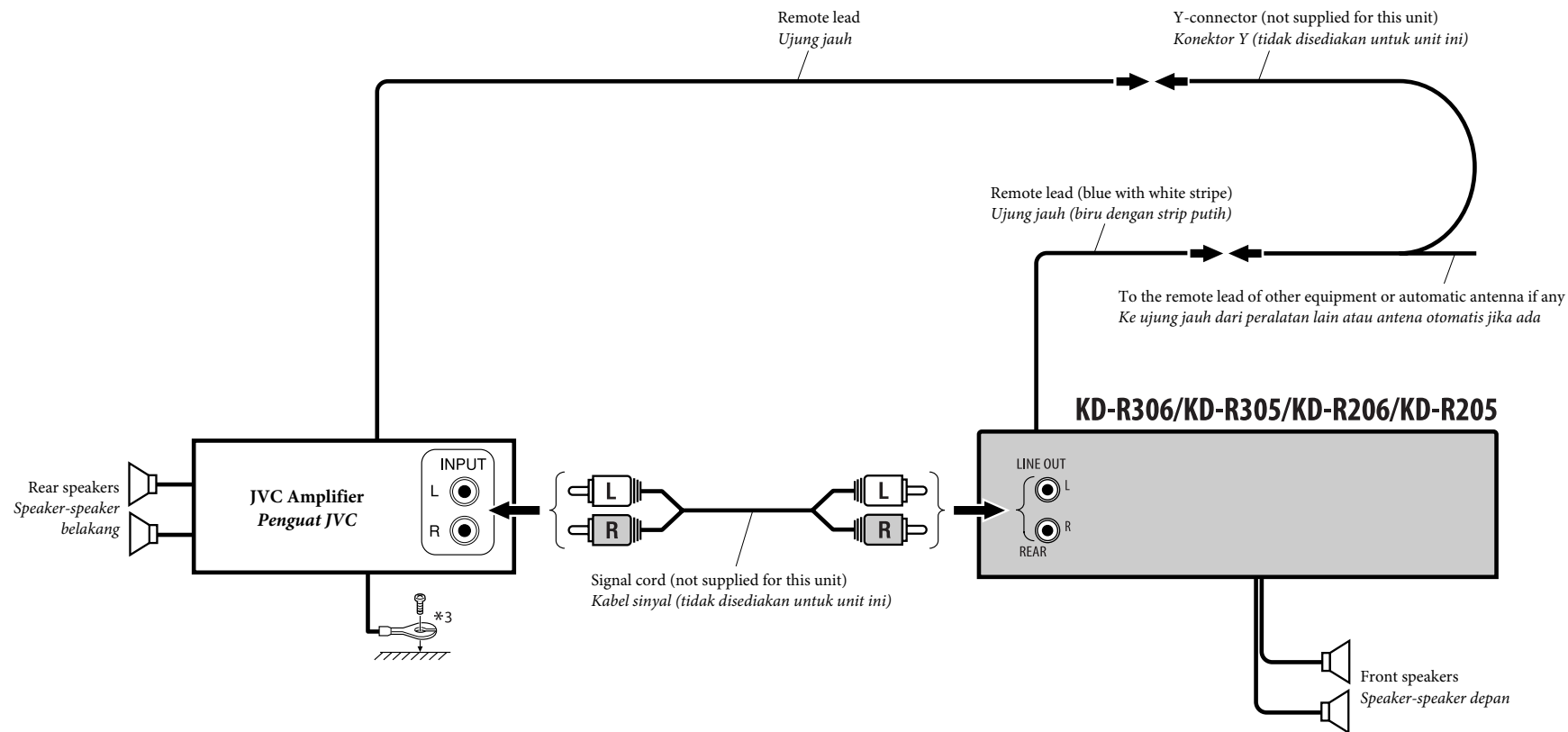
*1 Tidak disediakan untuk unit ini.

*2 Sebelum pengecekan pengoperasian dari unit ini sebelum pemasangan, ujung ini harus sudah dihubungkan, selain itu power tidak dapat dihidupkan.

B Connecting the external amplifier / Penyambungan penguat eksternal

- You can connect an amplifier to upgrade your car stereo system.
- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this unit.
 - **Disconnect the speakers from this unit, connect them to the amplifier. Leave the speaker leads of this unit unused.**

- Anda dapat menyambungkan penguat-penguat untuk meningkatkan sistem stereo mobil anda.
- Sambungkan ujung jauh (biru dengan strip putih) ke ujung jauh dari peralatan lain sehingga dapat dikontrol melalui unit ini.
 - **Putuskan sambungan speaker-speaker dari unit ini, sambungkan ini ke penguat. Biarkan ujung speaker dari unit ini tidak digunakan.**



*3 Firmly attach the ground wire to the metallic body or to the chassis of the car—to the place uncoated with paint (if coated with paint, remove the paint before attaching the wire). Failure to do so may cause damage to the unit.

*3 Pasangkan dengan kuat kabel tanah ke bodi besi atau ke casis dari mobil—pada tempat yang tidak dilapisi cat (jika dilapisi cat, hilangkan cat sebelum memasang kabel). Kegagalan melakukan ini mungkin menyebabkan kerusakan pada unit tersebut.

TROUBLESHOOTING

- **The fuse blows.**
 - * Are the red and black leads connected correctly?
- **Power cannot be turned on.**
 - * Is the yellow lead connected?
- **No sound from the speakers.**
 - * Is the speaker output lead short-circuited?
- **Sound is distorted.**
 - * Is the speaker output lead grounded?
 - * Are the “–” terminals of L and R speakers grounded in common?
- **Noise interfere with sounds.**
 - * Is the rear ground terminal connected to the car’s chassis using shorter and thicker cords?
- **This unit becomes hot.**
 - * Is the speaker output lead grounded?
 - * Are the “–” terminals of L and R speakers grounded in common?
- **This unit does not work at all.**
 - * Have you reset your unit?

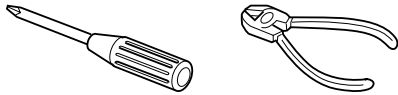
PEMECAHAN MASALAH

- **Sekring putus.**
 - * Apakah ujung-ujung merah dan hitam tersambung dengan benar?
- **Power tidak dapat dihidupkan.**
 - * Apakah ujung kuning sudah tersambung?
- **Tidak ada suara dari speaker.**
 - * Apakah ujung keluaran speaker terhubung pendek?
- **Suara terdistorsi.**
 - * Apakah ujung keluaran speaker sudah ditanahkan?
 - * Apakah terminal-terminal “–” dari speaker-speaker L dan R sudah ditanahkan secara umum?
- **Berisik yang mengganggu suara-suara.**
 - * Apakah terminal tanah belakang tersambung ke casis mobil menggunakan kabel-kabel terpendek dan tertebal?
- **Unit menjadi panas.**
 - * Apakah ujung keluaran speaker sudah ditanahkan?
 - * Apakah terminal-terminal “–” dari speaker-speaker L dan R sudah ditanahkan secara umum?
- **Unit ini tidak bekerja secara keseluruhan.**
 - * Apakah anda sudah reset (memasang kembali) unit anda?



KD-R306/KD-R305/KD-R206/KD-R205

Installation/Connection Manual 安裝/連接手冊



GET0564-010A
[UT]

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EN, CT

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ENGLISH

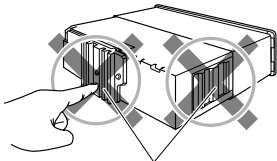
This unit is designed to operate on **12 V DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC car audio dealers.

WARNINGS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the unit.
• **Be sure to ground this unit to the car's chassis again after installation.**

Notes:

- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
- It is recommended to connect speakers with a maximum power of more than 50 W (both at the rear and at the front, with an impedance of **4 Ω to 8 Ω**). If the maximum power is less than 50 W, change "AMP GAIN" setting to prevent the speakers from being damaged (see page 14 of the INSTRUCTIONS).
- To prevent short circuits, cover the terminals of the UNUSED leads with insulating tape.
- The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.



Heat sink / 散熱片

中文

本機僅可使用直流 **12 V**、負極接地的電源系統。如果您的車輛沒有這一電源系統，則需要一個電壓變換器，可以在 JVC 汽車音響分銷商處買到。

警告

為防止短路，建議在安裝本機之前，拔開電池的負極，並把所有電路都連接好。
• 安裝完畢後務必將本機的地線重新接至車身。

注意：

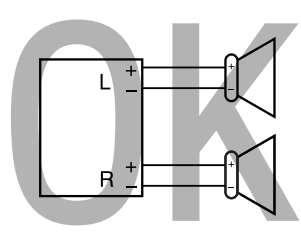
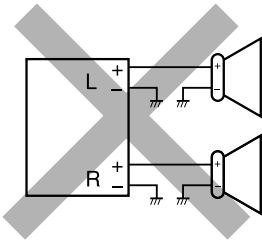
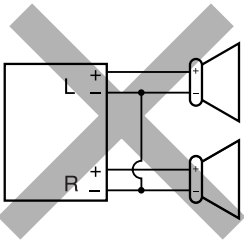
- 把保險絲更換為額定負荷值的保險絲。如果保險絲經常燒壞，請向 JVC 汽車音響分銷商詢問。
- 後置和前置揚聲器的最大輸入功率應大於 50 W，其阻抗為 **4 Ω - 8 Ω**。如果最大功率小於 50 W，請調校 "AMP GAIN" 設定值，以防止揚聲器損壞。（參閱使用說明書的第 14 頁。）
- 為防止電源短路，請用絕緣帶包住未使用電線的端子。
- 本機使用後，散熱片會很熱。因此，在移出本機時，小心不要觸摸散熱片。

PRECAUTIONS on power supply and speaker connections:

- **DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.**
- BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.

電源和揚聲器接線注意事項：

- 切勿把揚聲器導線接頭接至電池，否則本機將會嚴重損壞。
- 在把揚聲器導線接頭接至揚聲器之前，檢查您汽車上的揚聲器線路。

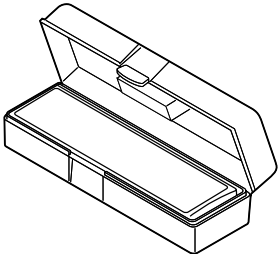


Parts list for installation and connection

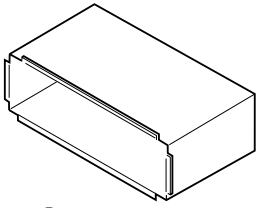
The following parts are provided for this unit. If any item is missing, consult your JVC car audio dealer immediately.

用於安裝和連接的零件清單

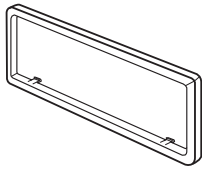
下列零件隨本機提供。若有任何遺漏，立刻諮詢您的 JVC 汽車音響經銷商。



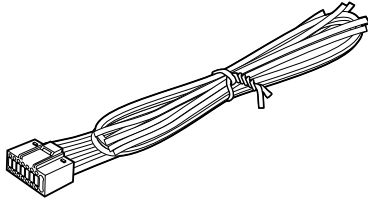
(A) / (B)
Hard case (for KD-R306/KD-R305)/Control panel
硬盒（對應 KD-R306/KD-R305）/ 控制面板



(C)
Sleeve
外套機殼



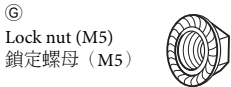
(D)
Trim plate
裝飾框



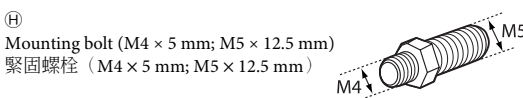
(E)
Power cord
電路連接用的配線束



(F)
Washer (ø5)
墊圈 (ø5)



(G)
Lock nut (M5)
鎖定螺母 (M5)

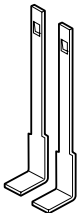


(H)
Mounting bolt (M4 x 5 mm; M5 x 12.5 mm)
緊固螺栓 (M4 x 5 mm; M5 x 12.5 mm)



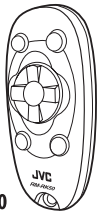
(I)
Rubber cushion
橡膠防震墊

(J)
Handles
板條型把手



For KD-R306/KD-R305 / 對應 KD-R306/KD-R305

(K)
Remote controller
遙控器



RM-RK50

(L)
Battery
電池

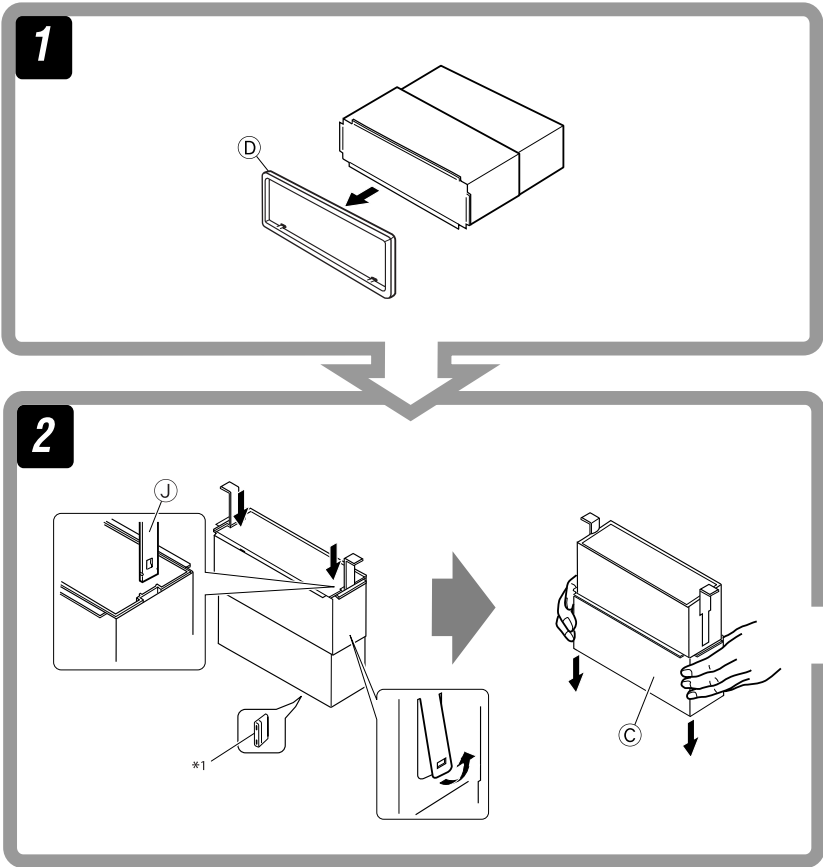


CR2025

INSTALLATION (IN-DASH MOUNTING)

The following illustration shows a typical installation. If you have any questions or require information regarding installation kits, consult your JVC car audio dealer or a company supplying kits.

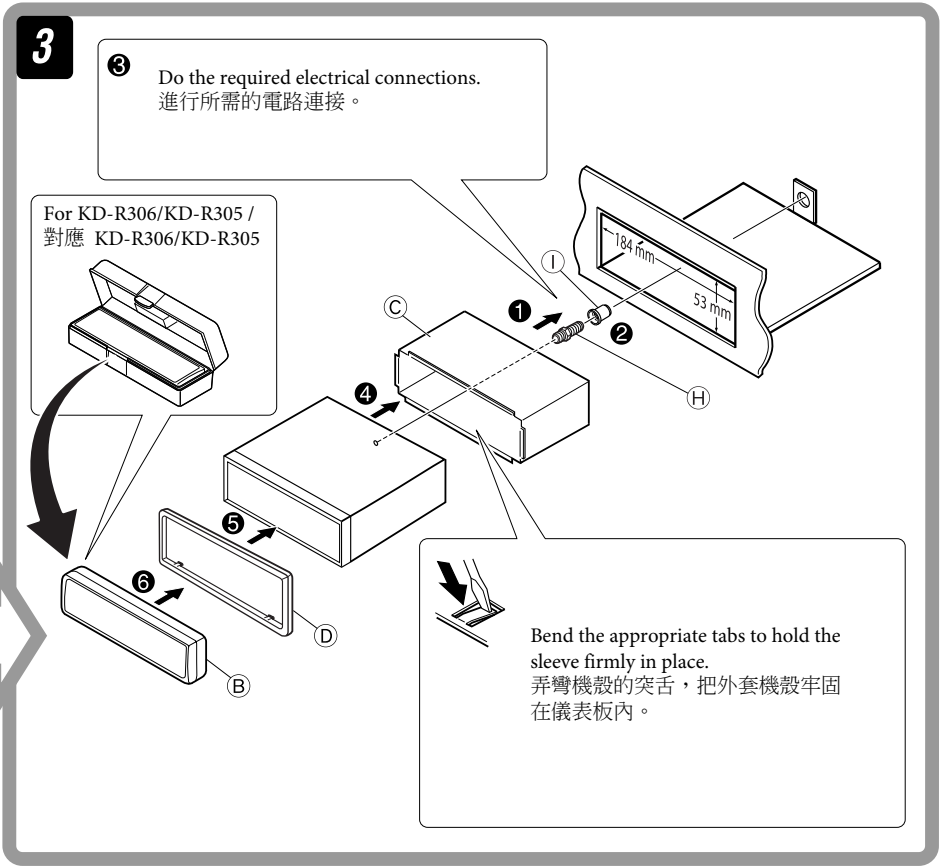
- If you are not sure how to install this unit correctly, have it installed by a qualified technician.



安裝（裝設、固定在儀表板內）

下面的圖解表示了典型的安裝程序。如果您有問題，或需要有關配套元件的資料，請向 JVC 汽車音響分銷商或配套元件供應公司詢問。

- 如果您不能確定如何正確地安裝本機，應請合格的技術人員來安裝。

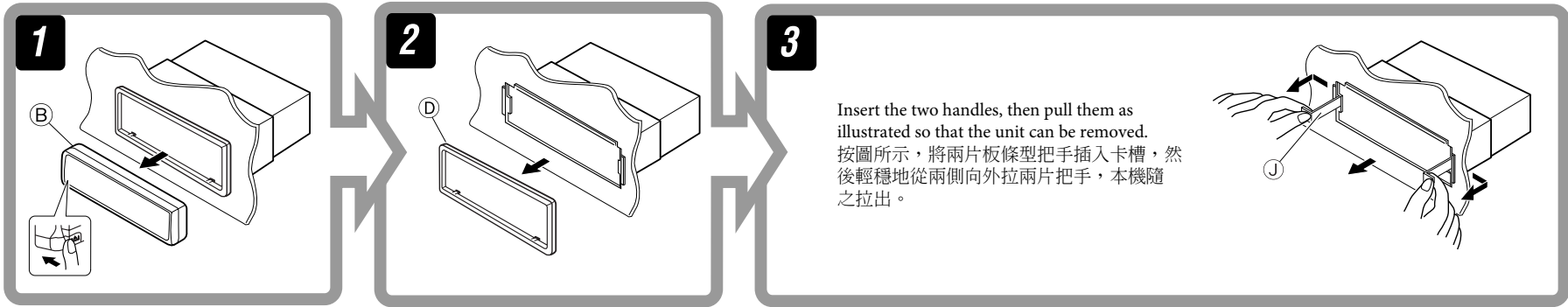


Removing the unit

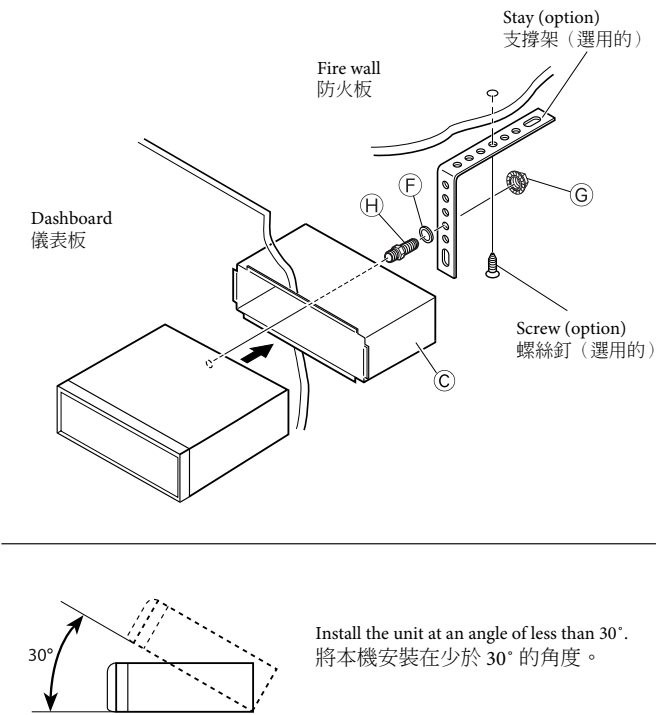
Before removing the unit, release the rear section.

拆卸本機

在拆卸本機前，應將本機後部的固定和連接部分鬆開。

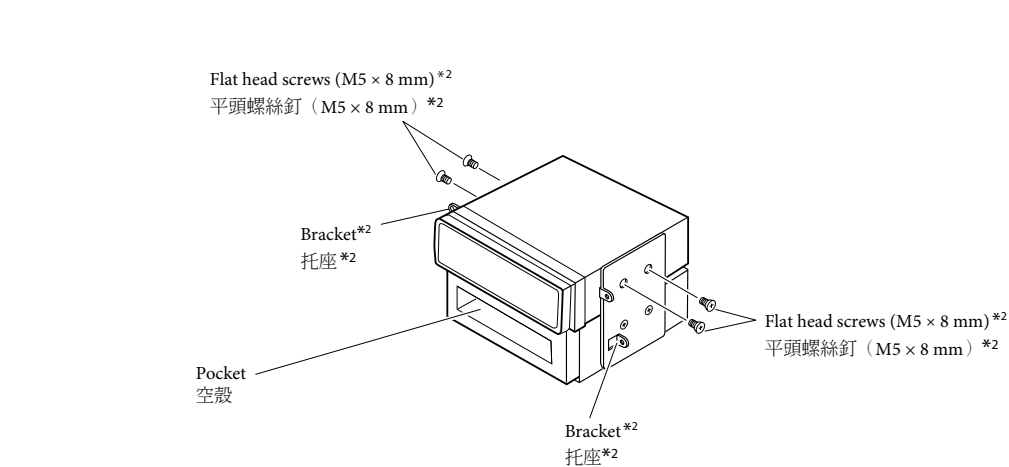


When using the optional stay / 若選用支撐架



When installing the unit without using the sleeve / 若不使用外套機殼安裝本機

In a Toyota car for example, first remove the car radio and install the unit in its place.
以豐田牌 (TOYOTA) 汽車為例：首先取出汽車收音機，然後將本機裝入其空出的位置。



Note : When installing the unit on the mounting bracket, make sure to use the 8 mm-long screws. If longer screws are used, they could damage the unit.
注意：把本機安裝在托座上時，務必使用 8 mm 長的螺絲釘。如使用過長的螺絲釘，會損壞本機。

*1 When you stand the unit, be careful not to damage the fuse on the rear.
*2 Not supplied for this unit.

*1 您豎起本機時，小心不要損壞底部的保險絲。
*2 不隨本機提供。

ELECTRICAL CONNECTIONS

電路連接

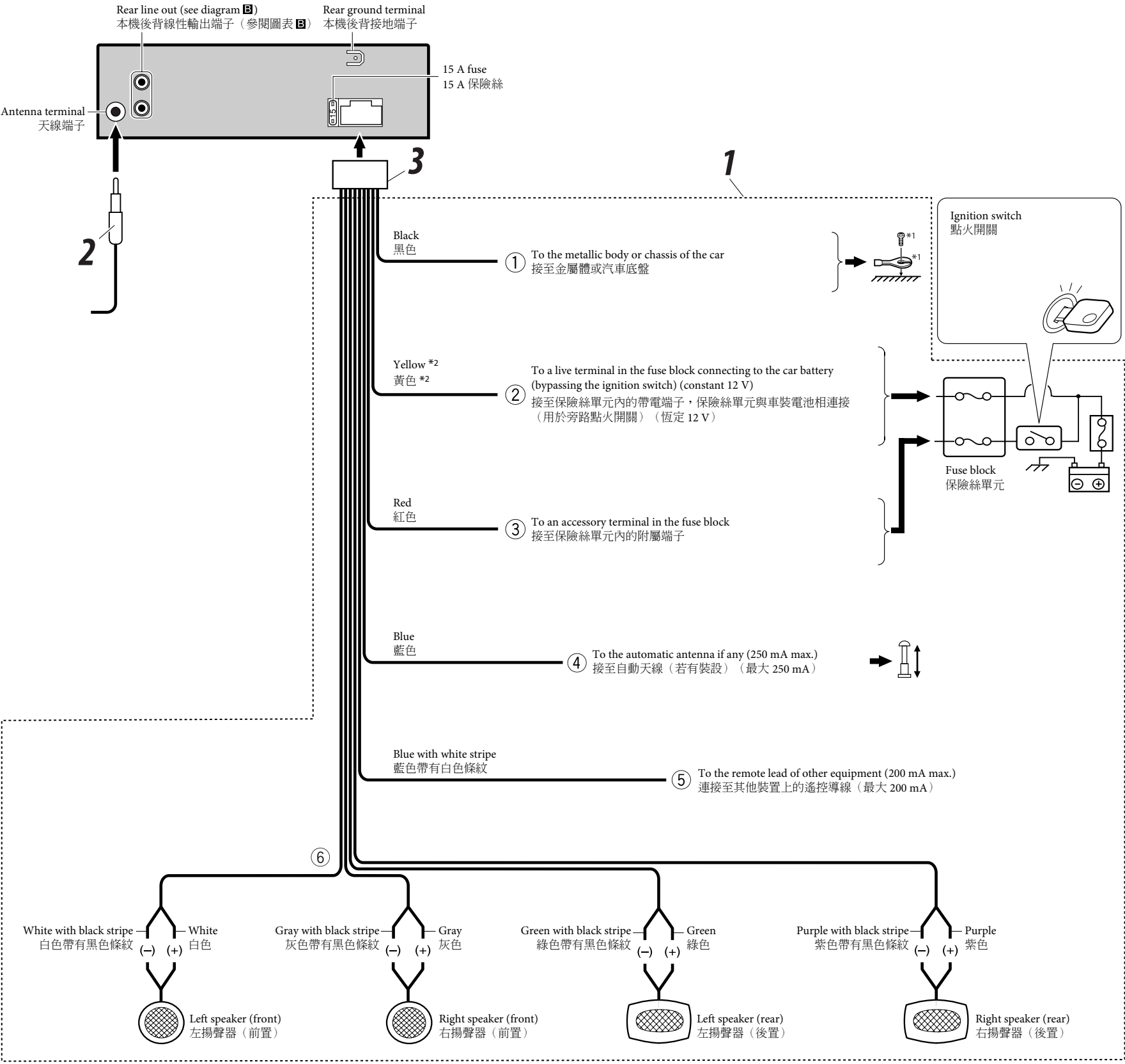
A Typical connections / 典型的接線方法

Before connecting: Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this unit.
The leads of the power cord and those of the connector from the car body may be different in color.

接線前：仔細檢查汽車內的線路。不正確的接線會導致本機嚴重損壞。
電源線的引線和車身的連接器引線在顏色上可能有所不同。

- 1 Connect the colored leads of the power cord in the order specified in the illustration below.
- 2 Connect the antenna cord.
- 3 Finally connect the wiring harness to the unit.

- 1 依照下圖所示之次序連接電源線的顏色導線。
- 2 將天線的電線連接起來。
- 3 最後，把配線束的插頭插在本機上。

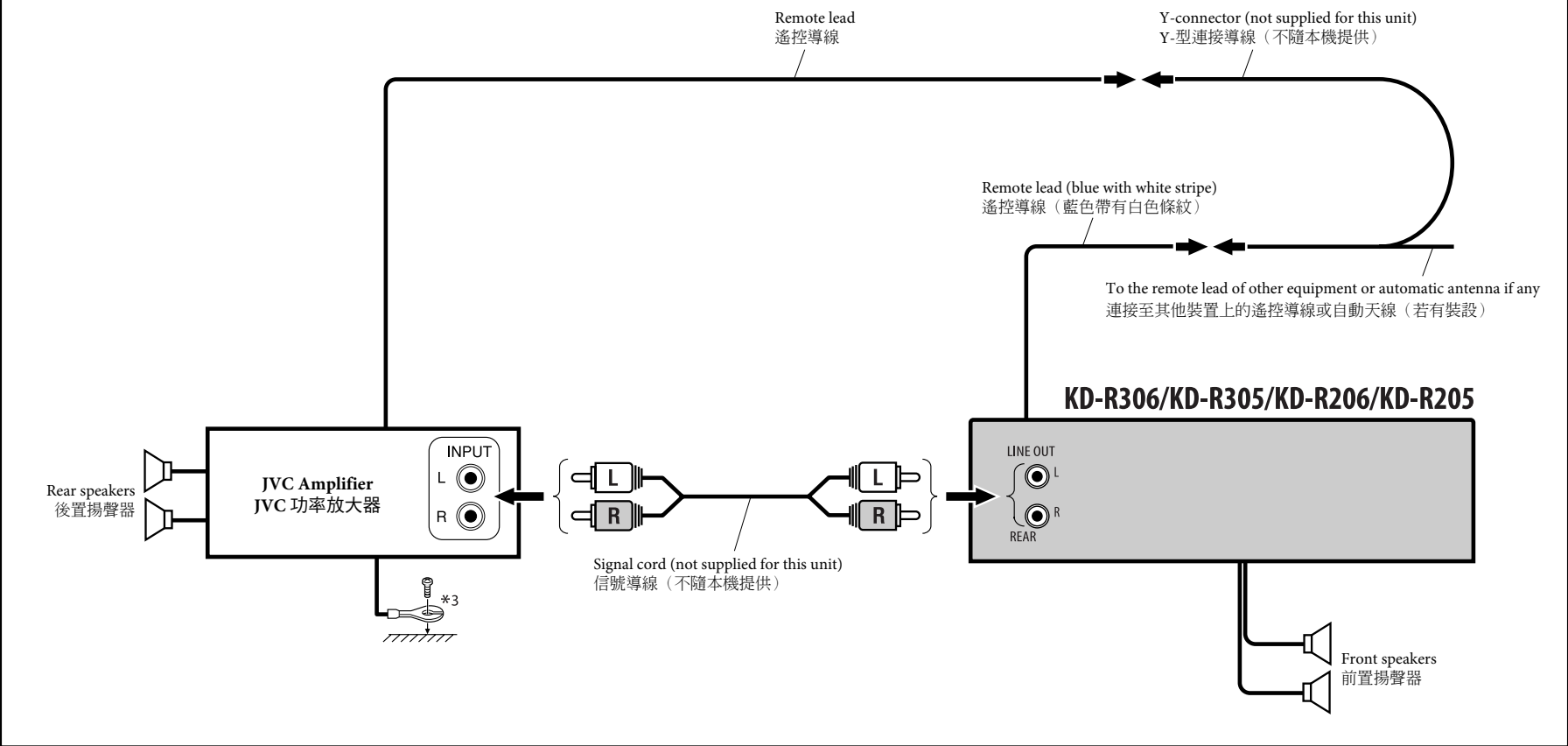


*1 Not supplied for this unit.
*2 Before checking the operation of this unit prior to installation, this lead must be connected, otherwise the power cannot be turned on.

*1 不隨本機提供。
*2 本機未安裝時，進行工作狀況檢查之前，必須把這導線接上，否則不能開啟電源。

B Connecting the external amplifier / 連接至外部功率放大器

- You can connect an amplifier to upgrade your car stereo system.
- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this unit.
 - **Disconnect the speakers from this unit, connect them to the amplifier. Leave the speaker leads of this unit unused.**
- 您可以連接功率放大器以提昇尊車的音響系統。
- 將遙控導線（藍色帶有白色條紋）和其他裝置上的遙控導線連接起來，以便可以經由本機進行遙控。
 - 將揚聲器和本機拔開，再接上功率放大器。將本機的揚聲器接線放置不用。



- *3 Firmly attach the ground wire to the metallic body or to the chassis of the car—to the place uncoated with paint (if coated with paint, remove the paint before attaching the wire). Failure to do so may cause damage to the unit.
- *3 將地線與金屬車體或者汽車底盤緊密連接，連接處應該沒有被油漆覆蓋（如果已塗上油漆，在連接電線前，將油漆刮去）。如果不這樣做，可能會損壞本機。

TROUBLESHOOTING

- **The fuse blows.**
 - * Are the red and black leads connected correctly?
- **Power cannot be turned on.**
 - * Is the yellow lead connected?
- **No sound from the speakers.**
 - * Is the speaker output lead short-circuited?
- **Sound is distorted.**
 - * Is the speaker output lead grounded?
 - * Are the “-” terminals of L and R speakers grounded in common?
- **Noise interfere with sounds.**
 - * Is the rear ground terminal connected to the car’s chassis using shorter and thicker cords?
- **This unit becomes hot.**
 - * Is the speaker output lead grounded?
 - * Are the “-” terminals of L and R speakers grounded in common?
- **This unit does not work at all.**
 - * Have you reset your unit?

故障排除

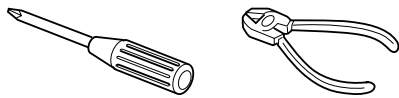
- 保險絲燒斷。
 - * 檢查紅色導線接頭和黑色導線接頭是否接觸正確？
- 電源不能接通。
 - * 檢查黃色導線接頭是否接上？
- 揚聲器沒有聲音。
 - * 檢查揚聲器輸出導線接頭是否短路？
- 聲音失真。
 - * 檢查揚聲器輸出端子是否接地？
 - * 檢查揚聲器的左（L）、右（R）端子的負極“-”是否共同接地？
- 噪音干擾音響。
 - * 後接地端子與車身是否使用較短和較厚的電線連接？
- 本機發熱。
 - * 檢查揚聲器輸出端子是否接地？
 - * 檢查揚聲器的左（L）、右（R）端子的負極“-”是否共同接地？
- 本機完全不能操作。
 - * 您是否已經重置您的機組？



KD-R306/KD-R305/KD-R206/KD-R205

Installation/Connection Manual

安裝/連接手冊



GET0564-010A
[UT]

0808DTSMdTJEIN
EN, CT

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ENGLISH

This unit is designed to operate on **12 V DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC car audio dealers.

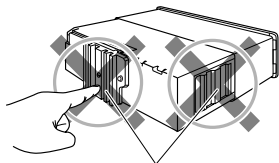
WARNINGS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the unit.

• **Be sure to ground this unit to the car's chassis again after installation.**

Notes:

- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
- It is recommended to connect speakers with a maximum power of more than 50 W (both at the rear and at the front, with an impedance of **4 Ω to 8 Ω**). If the maximum power is less than 50 W, change "AMP GAIN" setting to prevent the speakers from being damaged (see page 14 of the INSTRUCTIONS).
- To prevent short circuits, cover the terminals of the UNUSED leads with insulating tape.
- The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.



Heat sink / 散熱片

中文

本機僅可使用直流 **12 V**、負極接地的電源系統。如果您的車輛沒有這一電源系統，則需要一個電壓變換器，可以在 JVC 汽車音響分銷商處買到。

警告

為防止短路，建議在安裝本機之前，拔開電池的負極，並把所有電路都連接好。

• 安裝完畢後務必將本機的地線重新接至車身。

注意：

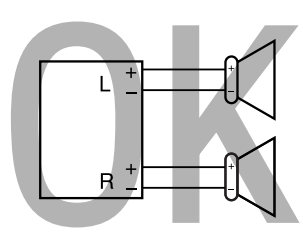
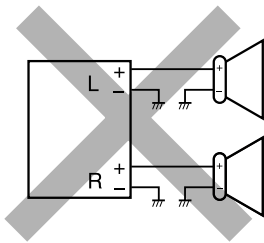
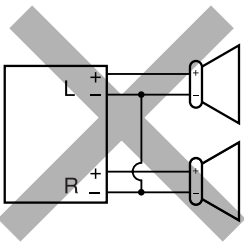
- 把保險絲更換為額定負荷值的保險絲。如果保險絲經常燒壞，請向 JVC 汽車音響分銷商詢問。
- 後置和前置揚聲器的最大輸入功率應大於 50 W，其阻抗為 **4 Ω - 8 Ω**。如果最大功率小於 50 W，請調校 "AMP GAIN" 設定值，以防止揚聲器損壞。（參閱使用說明書的第 14 頁。）
- 為防止電源短路，請用絕緣帶包住未使用電線的端子。
- 本機使用後，散熱片會很熱。因此，在移出本機時，小心不要觸摸散熱片。

PRECAUTIONS on power supply and speaker connections:

- **DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.**
- BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.

電源和揚聲器接線注意事項：

- 切勿把揚聲器導線接頭接至電池，否則本機將會嚴重損壞。
- 在把揚聲器導線接頭接至揚聲器之前，檢查您汽車上的揚聲器線路。

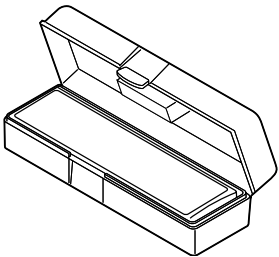


Parts list for installation and connection

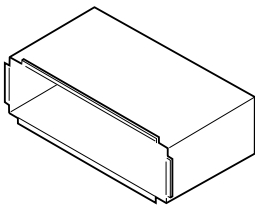
The following parts are provided for this unit. If any item is missing, consult your JVC car audio dealer immediately.

用於安裝和連接的零件清單

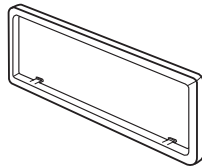
下列零件隨本機提供。若有任何遺漏，立刻諮詢您的 JVC 汽車音響經銷商。



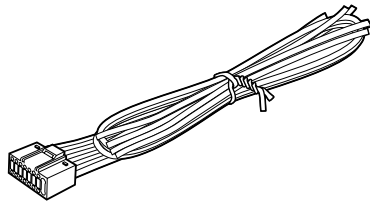
(A) / (B)
Hard case (for KD-R306/KD-R305)/Control panel
硬盒（對應 KD-R306/KD-R305）/ 控制面板



(C)
Sleeve
外套機殼



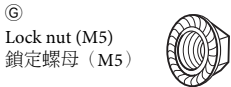
(D)
Trim plate
裝飾框



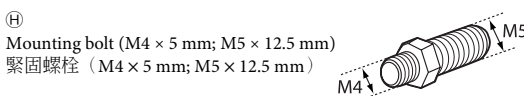
(E)
Power cord
電路連接用的配線束



(F)
Washer (ø5)
墊圈 (ø5)



(G)
Lock nut (M5)
鎖定螺母 (M5)

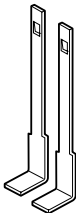


(H)
Mounting bolt (M4 × 5 mm; M5 × 12.5 mm)
緊固螺栓 (M4 × 5 mm; M5 × 12.5 mm)



(I)
Rubber cushion
橡膠防震墊

(J)
Handles
板條型把手



For KD-R306/KD-R305 / 對應 KD-R306/KD-R305

(K)
Remote controller
遙控器



RM-RK50

(L)
Battery
電池

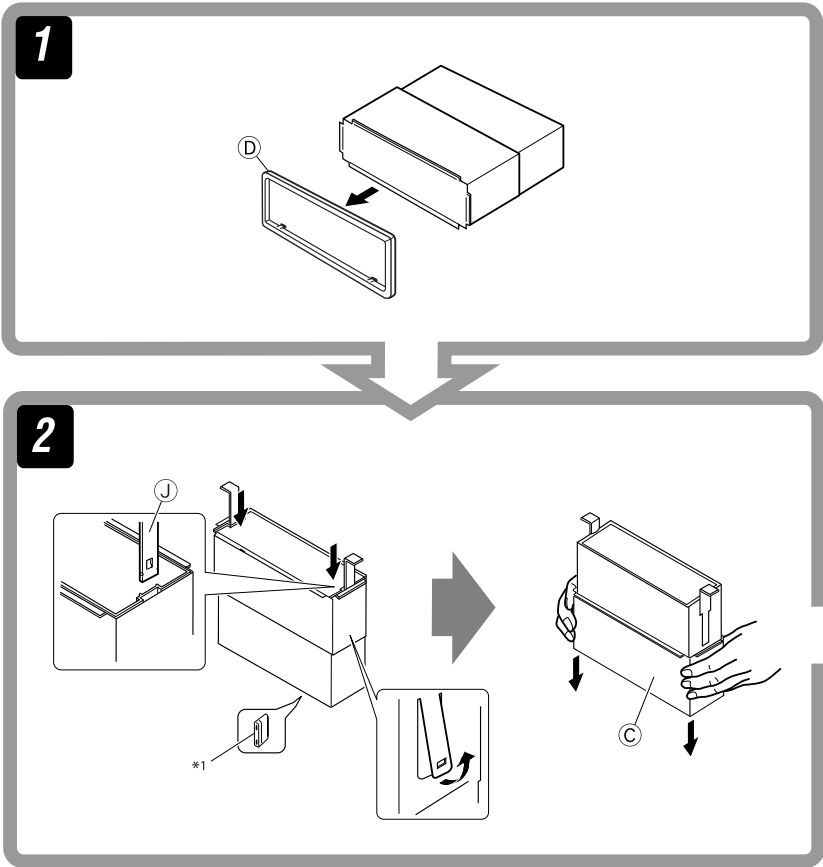


CR2025

INSTALLATION (IN-DASH MOUNTING)

The following illustration shows a typical installation. If you have any questions or require information regarding installation kits, consult your JVC car audio dealer or a company supplying kits.

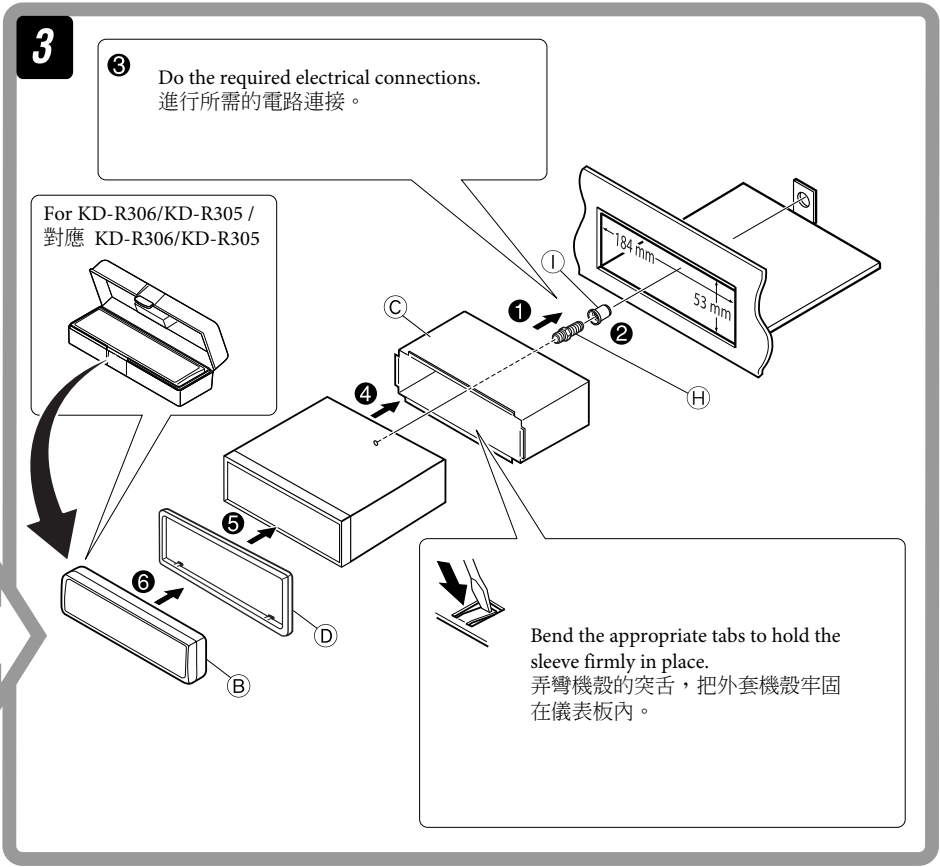
- If you are not sure how to install this unit correctly, have it installed by a qualified technician.



安裝（裝設、固定在儀表板內）

下面的圖解表示了典型的安裝程序。如果您有問題，或需要有關配套元件的資料，請向 JVC 汽車音響分銷商或配套元件供應公司詢問。

- 如果您不能確定如何正確地安裝本機，應請合格的技術人員來安裝。

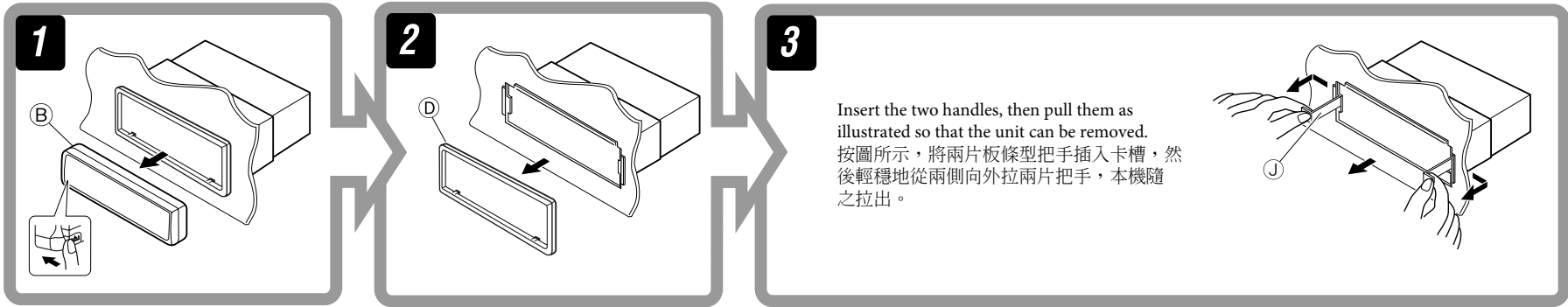


Removing the unit

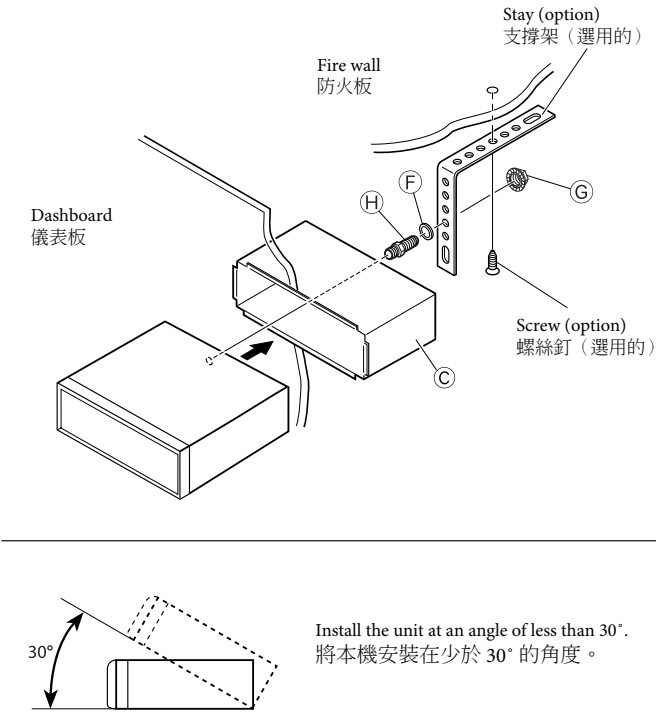
Before removing the unit, release the rear section.

拆卸本機

在拆卸本機前，應將本機後部的固定和連接部分鬆開。

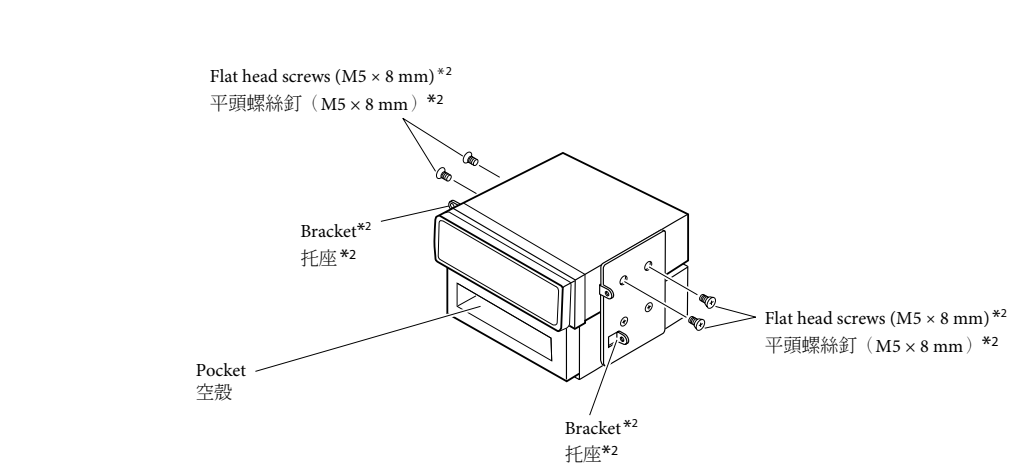


When using the optional stay / 若選用支撐架



When installing the unit without using the sleeve / 若不使用外套機殼安裝本機

In a Toyota car for example, first remove the car radio and install the unit in its place.
以豐田牌 (TOYOTA) 汽車為例：首先取出汽車收音機，然後將本機裝入其空出的位置。



Note : When installing the unit on the mounting bracket, make sure to use the 8 mm-long screws. If longer screws are used, they could damage the unit.
注意：把本機安裝在托座上時，務必使用 8 mm 長的螺絲釘。如使用過長的螺絲釘，會損壞本機。

*1 When you stand the unit, be careful not to damage the fuse on the rear.
*2 Not supplied for this unit.

*1 您豎起本機時，小心不要損壞底部的保險絲。
*2 不隨本機提供。

ELECTRICAL CONNECTIONS

電路連接

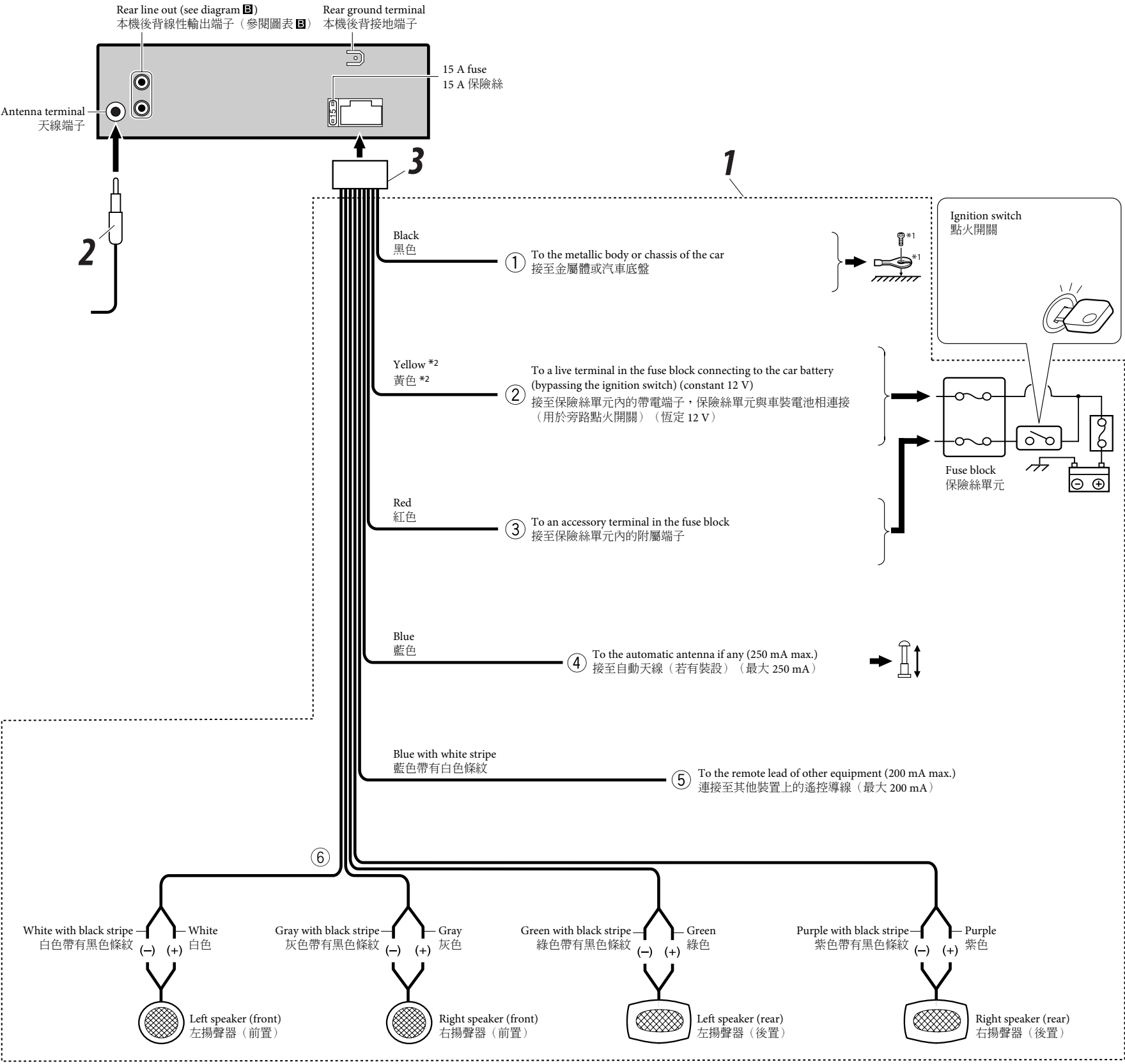
A Typical connections / 典型的接線方法

Before connecting: Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this unit.
The leads of the power cord and those of the connector from the car body may be different in color.

接線前：仔細檢查汽車內的線路。不正確的接線會導致本機嚴重損壞。
電源線的引線和車身的連接器引線在顏色上可能有所不同。

- 1 Connect the colored leads of the power cord in the order specified in the illustration below.
- 2 Connect the antenna cord.
- 3 Finally connect the wiring harness to the unit.

- 1 依照下圖所示之次序連接電源線的顏色導線。
- 2 將天線的電線連接起來。
- 3 最後，把配線束的插頭插在本機上。

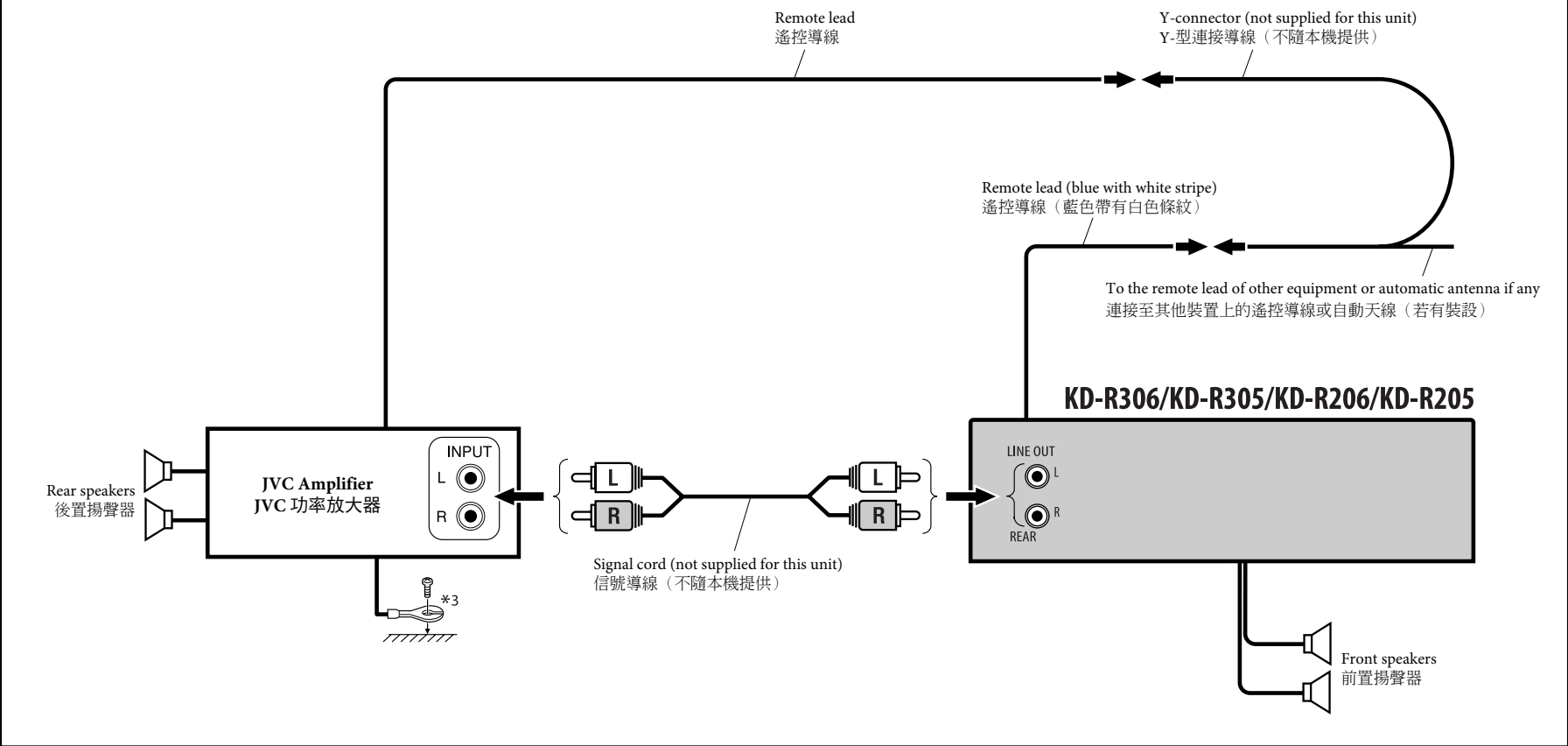


*1 Not supplied for this unit.
*2 Before checking the operation of this unit prior to installation, this lead must be connected, otherwise the power cannot be turned on.

*1 不隨本機提供。
*2 本機未安裝時，進行工作狀況檢查之前，必須把這導線接上，否則不能開啟電源。

B Connecting the external amplifier / 連接至外部功率放大器

- You can connect an amplifier to upgrade your car stereo system.
- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this unit.
 - **Disconnect the speakers from this unit, connect them to the amplifier. Leave the speaker leads of this unit unused.**
- 您可以連接功率放大器以提昇尊車的音響系統。
- 將遙控導線（藍色帶有白色條紋）和其他裝置上的遙控導線連接起來，以便可以經由本機進行遙控。
 - 將揚聲器和本機拔開，再接上功率放大器。將本機的揚聲器接線放置不用。



*3 Firmly attach the ground wire to the metallic body or to the chassis of the car—to the place uncoated with paint (if coated with paint, remove the paint before attaching the wire). Failure to do so may cause damage to the unit.

*3 將地線與金屬車體或者汽車底盤緊密連接，連接處應該沒有被油漆覆蓋（如果已塗上油漆，在連接電線前，將油漆刮去）。如果不這樣做，可能會損壞本機。

TROUBLESHOOTING

- **The fuse blows.**
 - * Are the red and black leads connected correctly?
- **Power cannot be turned on.**
 - * Is the yellow lead connected?
- **No sound from the speakers.**
 - * Is the speaker output lead short-circuited?
- **Sound is distorted.**
 - * Is the speaker output lead grounded?
 - * Are the “-” terminals of L and R speakers grounded in common?
- **Noise interfere with sounds.**
 - * Is the rear ground terminal connected to the car’s chassis using shorter and thicker cords?
- **This unit becomes hot.**
 - * Is the speaker output lead grounded?
 - * Are the “-” terminals of L and R speakers grounded in common?
- **This unit does not work at all.**
 - * Have you reset your unit?

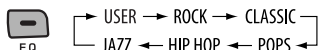
故障排除

- 保險絲燒斷。
 - * 檢查紅色導線接頭和黑色導線接頭是否接觸正確？
- 電源不能接通。
 - * 檢查黃色導線接頭是否接上？
- 揚聲器沒有聲音。
 - * 檢查揚聲器輸出導線接頭是否短路？
- 聲音失真。
 - * 檢查揚聲器輸出端子是否接地？
 - * 檢查揚聲器的左（L）、右（R）端子的負極“-”是否共同接地？
- 噪音干擾音響。
 - * 後接地端子與車身是否使用較短和較厚的電線連接？
- 本機發熱。
 - * 檢查揚聲器輸出端子是否接地？
 - * 檢查揚聲器的左（L）、右（R）端子的負極“-”是否共同接地？
- 本機完全不能操作。
 - * 您是否已經重置您的機組？

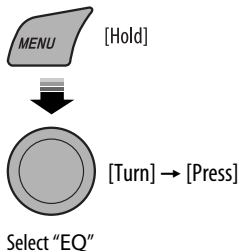
Selecting a preset sound mode

You can select a preset sound mode suitable to the music genre.

- See also page 13 ("EQ").



or
Selecting from Menu.



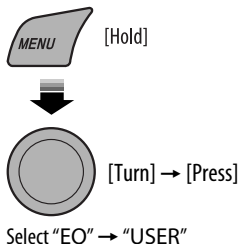
Preset value setting for each sound mode

Preset values	BASS	TREBLE	LOUD
Indication (For)			
USER (Flat sound)	00	00	OFF
ROCK (Rock or disco music)	+03	+01	ON
CLASSIC (Classical music)	+01	-02	OFF
POPS (Light music)	+04	+01	OFF
HIP HOP (Funk or rap music)	+02	00	ON
JAZZ (Jazz music)	+02	+03	OFF

Storing your own sound mode

You can store your own adjustments in memory.

1 Select "USER" for "EQ."

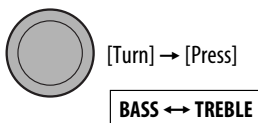


2 While "USER" is shown on the display...



- If no operation is done for about 30 seconds, the operation will be canceled.

3 Select a tone.



4 Adjust the level.

Tone	Level
BASS	-06 to +06
TREBLE	-06 to +06

To return to the previous menu, press BACK.

5 Finish the procedure.



Title assignment

You can assign titles to 30 station frequencies (FM and AM) using 8 characters (maximum) for each title.

1 Select "FM" or "AM."

SRC 

2 Show the title entry screen.

DISP  +  [Hold]



3 Assign a title.

1 Select a character.



A	B	C	D	E	F	G
H	I	J	K	L	M	N
O	P	Q	R	S	T	U
V	W	X	Y	Z	0	1
2	3	4	5	6	7	8
9	-	/	<	>	space	

2 Move to the next (or previous) character position.



3 Repeat steps 1 and 2 until you finish entering the title.

4 Finish the procedure.





To erase the entire title

In step 2 above...



Menu operations

1  [Hold]	2  [Turn] → [Press]	3 Repeat step 2 if necessary. • To return to the previous menu, press BACK.
---	---	---

Initial: **Underlined**

Category	Menu items	Selectable settings, [reference page]
DEMO	DEMO Display demonstration	<ul style="list-style-type: none"> • <u>DEMO ON</u> : Display demonstration will be activated automatically if no operation is done for about 20 seconds, [7]. • DEMO OFF : Cancels.
CLOCK	CLOCK DISP *1 Clock display	<ul style="list-style-type: none"> • CLOCK ON : Clock time is shown on the display at all times when the power is turned off. • <u>CLOCK OFF</u> : Cancels; pressing DISP will show the clock time for about 5 seconds when the power is turned off, [7].
	CLOCK SET Clock setting	: Adjust the hour, then the minute, [7]. [Initial: 1:00]
EQ	EQ Equalizer	: Select a preset sound mode suitable to the music genre. <u>USER, ROCK, CLASSIC, POPS, HIP HOP, JAZZ</u>
DISPLAY	DIMMER Dimmer	<ul style="list-style-type: none"> • DIMMER ON : Dims the display and button illumination. • <u>DIMMER OFF</u> : Cancels.
	SCROLL *2 Scroll	<ul style="list-style-type: none"> • <u>SCROLL ONCE</u> : Scrolls the displayed information once. • SCROLL AUTO : Repeats scrolling (at 5-second intervals). • SCROLL OFF : Cancels. Pressing DISP for more than one second can scroll the display regardless of the setting.
	TAG DISPLAY Tag display (For KD-R306/ KD-R305)	<ul style="list-style-type: none"> • <u>TAG ON</u> : Shows the Tag information while playing MP3/WMA tracks. • TAG OFF : Cancels.

*1 If the power supply is not interrupted by turning off the ignition key of your car, it is recommended to select "CLOCK OFF" to save the car's battery.

*2 Some characters or symbols will not be shown correctly (or will be blanked) on the display.

Continued on the next page

Category	Menu items	Selectable settings, [reference page]
TUNER	MONO * ³ Monaural mode	<ul style="list-style-type: none"> • MONO ON : Activate monaural mode to improve FM reception, but stereo effect will be lost, [8]. • MONO OFF : Restore the stereo effect.
	IF BAND Intermediate frequency band	<ul style="list-style-type: none"> • AUTO : Increases the tuner selectivity to reduce interference noises between adjacent stations. (Stereo effect may be lost.) • WIDE : Subject to interference noises from adjacent stations, but sound quality will not be degraded and the stereo effect will remain.
AUDIO	FADER * ⁴ Fader	R06 – F06 : Adjust the front and rear speaker output balance. [Initial: 00]
	BALANCE Balance	L06 – R06 : Adjust the left and right speaker output balance. [Initial: 00]
	LOUD Loudness	<ul style="list-style-type: none"> • LOUD OFF : Cancels. • LOUD ON : Boost low and high frequencies to produce a well-balanced sound at a low volume level.
	AUX ADJUST Auxiliary input level adjustment	AUX ADJ 00 — AUX ADJ 05 : Adjust the auxiliary input level to avoid the sudden increase of the output level when changing the source to external component connected to the AUX input jack on the control panel.
	BEEP Keypress tone	<ul style="list-style-type: none"> • BEEP OFF : Deactivates the keypress tone. • BEEP ON : Activates the keypress tone.
	AMP GAIN * ⁵ Amplifier gain control	<ul style="list-style-type: none"> • LOW POWER : VOLUME 00 – VOLUME 30 (Select if the maximum power of each speaker is less than 50 W to prevent damaging the speaker.) • HIGH POWER : VOLUME 00 – VOLUME 50
SRC SELECT	AM * ⁶ AM station	<ul style="list-style-type: none"> • AM OFF : Disable “AM” in source selection. • AM ON : Enable “AM” in source selection, [4].
	AUX IN * ⁷ Auxiliary input	<ul style="list-style-type: none"> • AUX OFF : Disable “AUX IN” in source selection. • AUX ON : Enable “AUX IN” in source selection, [4].

*³ Displayed only when the source is “FM.”

*⁴ If you are using a two-speaker system, set the fader level to “00.”

*⁵ The volume level automatically changes to “VOLUME 30” if you change to “LOW POWER” with the volume level set higher than “VOLUME 30.”

*⁶ Displayed only when any source other than “AM” is selected.

*⁷ Displayed only when any source other than “AUX IN” is selected.

More about this unit

Basic operations

Turning on the power

- By pressing SRC button on the unit, you can also turn on the power. If the source is ready, playback also starts.

Turning off the power

- If you turn off the power while listening to a track, playback will start from where it had been stopped previously next time you turn on the power.

General

- If you change the source while listening to a disc, playback stops.
Next time you select "CD" as the playback source, playback will start from where it had been stopped previously.
- After ejecting a disc, "NO DISC" appears and you cannot operate some of the buttons. Insert another disc or press SRC to select another playback source.
- If no operation is done for about 30 seconds after pressing MENU button, the operation will be canceled.

Tuner operations

Storing stations in memory

- During SSM search...
 - All previously stored stations are erased and the stations are stored anew.
 - When SSM is over, the station stored in the lowest preset number will be automatically tuned in.
- When storing a station manually, the previously preset station is erased when a new station is stored in the same preset number.

Disc operations

Caution for DualDisc playback

- The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

General

- This unit has been designed to reproduce CDs/CD Texts, and CD-Rs (Recordable)/CD-RWs (Rewritable) in audio CD (CD-DA), MP3/WMA (for KD-R306/KD-R305) formats.
- When a disc is inserted upside down, "PLEASE" and "EJECT" appear alternately on the display. Press ▲ to eject the disc.
- KD-R306/KD-R305: MP3 and WMA "tracks" (words "file" and "track" are used interchangeably) are recorded in "folders."
- KD-R306/KD-R305: While fast-forwarding or reversing on an MP3 or WMA disc, you can only hear intermittent sounds.

Playing a CD-R or CD-RW

- Use only "finalized" CD-Rs or CD-RWs.
- KD-R306/KD-R305: This unit can only play back files of the same type as those detected first if a disc includes both audio CD (CD-DA) files and MP3/WMA files.
- This unit can play back multi-session discs; however, unclosed sessions will be skipped while playing.
- Some CD-Rs or CD-RWs may not play back on this unit because of their disc characteristics, or for the following reasons:
 - Discs are dirty or scratched.
 - Moisture condensation has occurred on the lens inside the unit.
 - The pickup lens inside the unit is dirty.

Continued on the next page

- The files on the CD-R/CD-RW are written using the “Packet Write” method.
- There are improper recording conditions (missing data, etc.) or media conditions (stained, scratched, warped, etc.).
- CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than that of regular CDs.
- Do not use the following CD-Rs or CD-RWs:
 - Discs with stickers, labels, or a protective seal stuck to the surface.
 - Discs on which labels can be directly printed by an ink jet printer.

Using these discs under high temperature or high humidity may cause malfunctions or damage to the unit.

Playing an MP3/WMA disc (for KD-R306/KD-R305)

- This unit can play back MP3/WMA files with the extension code <.mp3> or <.wma> (regardless of the letter case—upper/lower).
- This unit can show the names of albums, artists (performer), and Tag (Version 1.0, 1.1, 2.2, 2.3, or 2.4) for MP3 files and for WMA files.
- This unit can display only one-byte characters. No other characters can be correctly displayed.
- This unit can play back MP3/WMA files meeting the conditions below:
 - Bit rate: 8 kbps — 320 kbps
 - Sampling frequency:
 - 48 kHz, 44.1 kHz, 32 kHz (for MPEG-1)
 - 24 kHz, 22.05 kHz, 16 kHz (for MPEG-2)
 - Disc format: ISO 9660 Level 1/Level 2, Romeo, Joliet, Windows long file name
- The maximum number of characters for file/folder names vary depending on the disc format used (includes 4 extension characters—<.mp3> or <.wma>).
 - ISO 9660 Level 1: up to 12 characters
 - ISO 9660 Level 2: up to 31 characters
 - Romeo: up to 128 characters
 - Joliet: up to 64 characters
 - Windows long file name: up to 128 characters

- This unit can recognize a total of 512 files, 255 folders, and 8 hierarchical levels.
- This unit can play back files recorded in VBR (variable bit rate).

Files recorded in VBR have a discrepancy in the elapsed time display, and do not show the actual elapsed time. In particular, this difference becomes noticeable after performing the search function.
- This unit cannot play back the following files:
 - MP3 files encoded in MP3i and MP3 PRO format.
 - MP3 files encoded in an inappropriate format.
 - MP3 files encoded with Layer 1/2.
 - WMA files encoded in lossless, professional, and voice format.
 - WMA files which are not based upon Windows Media® Audio.
 - WMA files copy-protected with DRM.
 - Files which have data such as AIFF, ATRAC3, etc.
- The search function works but search speed is not constant.

Ejecting a disc

- If the ejected disc is not removed within 15 seconds, it is automatically inserted into the loading slot again to protect it from dust. Playback starts automatically.

Title assignment

- If you try to assign titles to more than 30 station frequencies, “NAME FULL” appears. Delete unwanted titles before assignment.

Menu operations

- If you change the “AMP GAIN” setting from “HIGH POWER” to “LOW POWER” while the volume level is set higher than “VOLUME 30,” the unit automatically changes the volume level to “VOLUME 30.”

Troubleshooting

What appears to be trouble is not always serious. Check the following points before calling a service center.

	Symptoms	Remedies/Causes
General	<ul style="list-style-type: none"> Sound cannot be heard from the speakers. 	<ul style="list-style-type: none"> Adjust the volume to the optimum level. Check the cords and connections.
	<ul style="list-style-type: none"> The unit does not work at all. 	Reset the unit (see page 3).
	<ul style="list-style-type: none"> "AUX IN" cannot be selected. 	Check the "SRC SELECT" → "AUX IN" setting (see page 14).
FM/AM	<ul style="list-style-type: none"> SSM automatic presetting does not work. 	Store stations manually.
	<ul style="list-style-type: none"> Static noise while listening to the radio. 	Connect the antenna firmly.
	<ul style="list-style-type: none"> "AM" cannot be selected. 	Check the "SRC SELECT" → "AM" setting (see page 14).
Disc playback	<ul style="list-style-type: none"> Disc cannot be played back. 	Insert the disc correctly.
	<ul style="list-style-type: none"> CD-R/CD-RW cannot be played back. Tracks on the CD-R/CD-RW cannot be skipped. 	<ul style="list-style-type: none"> Insert a finalized CD-R/CD-RW. Finalize the CD-R/CD-RW with the component which you used for recording.
	<ul style="list-style-type: none"> Disc can neither be played back nor ejected. 	<ul style="list-style-type: none"> Unlock the disc (see page 9). Eject the disc forcibly (see page 3).
	<ul style="list-style-type: none"> Disc sound is sometimes interrupted. 	<ul style="list-style-type: none"> Stop playback while driving on rough roads. Change the disc. Check the cords and connections.
	<ul style="list-style-type: none"> "NO DISC" appears on the display. 	Insert a playable disc into the loading slot.
	<ul style="list-style-type: none"> "PLEASE" and "EJECT" appear alternately on the display. 	Press ▲, then insert a disc correctly.

Continued on the next page

MP3/WMA playback (for KD-R306/KD-R305)

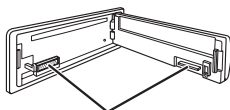
Symptoms	Remedies/Causes
<ul style="list-style-type: none"> Disc cannot be played back. 	<ul style="list-style-type: none"> Use a disc with MP3/WMA tracks recorded in a format compliant with ISO 9660 Level 1, Level 2, Romeo, or Joliet. Add the extension code <.mp3> or <.wma> to the file names.
<ul style="list-style-type: none"> Noise is generated. 	Skip to another track or change the disc. (Do not add the extension code <.mp3> or <.wma> to non-MP3 or WMA tracks.)
<ul style="list-style-type: none"> A longer readout time is required ("READING" keeps flashing on the display). 	Do not use too many hierarchical levels and folders.
<ul style="list-style-type: none"> Tracks do not play back in the order you have intended them to play. 	The playback order is determined when the files are recorded.
<ul style="list-style-type: none"> The elapsed playing time is not correct. 	This sometimes occurs during playback. This is caused by how the tracks are recorded on the disc.
<ul style="list-style-type: none"> The correct characters are not displayed (e.g. album name). 	This unit can only display letters (upper case), numbers, and a limited number of symbols.

- Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Maintenance

How to clean the connectors

Frequent detachment will deteriorate the connectors. To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.



Connectors

Moisture condensation

Moisture may condense on the lens inside the unit in the following cases:

- After starting the heater in the car.
- If it becomes very humid inside the car.

Should this occur, the unit may malfunction. In this case, eject the disc and leave the unit turned on for a few hours until the moisture has evaporated.

How to handle discs

When removing a disc from its case, press down the center holder of the case and lift the disc out, holding it by the edges.

Center holder



- Always hold the disc by the edges. Do not touch its recording surface.

When storing a disc in its case, gently insert the disc around the center holder (with the printed surface facing up).

- Make sure to store discs in cases after use.

To keep discs clean

A dirty disc may not play correctly.

If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.



- Do not use any solvents (for example, conventional record cleaner, spray, thinner, benzene, etc.) to clean discs.

To play new discs

New discs may have some rough spots around the inner and outer edges. If such a disc is used, this unit may reject the disc.



To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

Do not use the following discs:

Single CD (8 cm disc)



Warped disc



Sticker and sticker residue



Stick-on label



Unusual shape



C-thru Disc (semi-transparent disc)



Transparent or semi-transparent parts on its recording area



Specifications

AUDIO AMPLIFIER SECTION

Maximum Power Output:	Front/Rear:	50 W per channel
Continuous Power Output (RMS):	Front/Rear:	19 W per channel into 4 Ω , 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.
Load Impedance:		4 Ω (4 Ω to 8 Ω allowance)
Tone Control Range:	Bass:	± 12 dB at 100 Hz
	Treble:	± 12 dB at 10 kHz
Frequency Response:		40 Hz to 20 000 Hz
Signal-to-Noise Ratio:		70 dB
Line-Out Level/Impedance:		2.5 V/20 k Ω load (full scale)
Output Impedance:		1 k Ω
Other Terminal:		AUX (auxiliary) input jack, Antenna input

TUNER SECTION

Frequency Range:	FM:	87.5 MHz to 108.0 MHz
	AM:	531 kHz to 1 602 kHz
FM Tuner	Usable Sensitivity:	11.3 dBf (1.0 μ V/75 Ω)
	50 dB Quieting Sensitivity:	16.3 dBf (1.8 μ V/75 Ω)
	Alternate Channel Selectivity (400 kHz):	65 dB
	Frequency Response:	40 Hz to 15 000 Hz
	Stereo Separation:	30 dB
AM Tuner	Sensitivity:	20 μ V
	Selectivity:	35 dB

CD PLAYER SECTION	
Type:	Compact disc player
Signal Detection System:	Non-contact optical pickup (semiconductor laser)
Number of Channels:	2 channels (stereo)
Frequency Response:	5 Hz to 20 000 Hz
Dynamic Range:	93 dB
Signal-to-Noise Ratio:	98 dB
Wow and Flutter:	Less than measurable limit
For KD-R306/KD-R305:	
MP3 Decoding Format: (MPEG1/2 Audio Layer 3)	Max. Bit Rate: 320 kbps
WMA (Windows Media® Audio) Decoding Format:	Max. Bit Rate: 192 kbps

GENERAL		
Power Requirement:	Operating Voltage:	DC 14.4 V (11 V to 16 V allowance)
Grounding System:	Negative ground	
Allowable Operating Temperature:	0°C to +40°C	
Dimensions (W × H × D): (approx.)	Installation Size:	182 mm × 52 mm × 160 mm
	Panel Size:	188 mm × 58 mm × 6 mm
Mass:	1.3 kg (excluding accessories)	

Design and specifications are subject to change without notice.

Having TROUBLE with operation?
Please reset your unit

Refer to page of How to reset your unit

**Ada MASALAH dengan cara
pengoperasian?**

Setel kembali unit Anda

Lihat halaman mengenai Bagaimana mereset unit anda

JVC



EN, IN

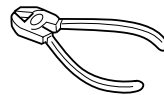
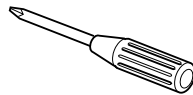
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0808DTSMDTJEIN



KD-R306/KD-R305/KD-R206/KD-R205

Installation/Connection Manual Manual Pemasangan/Penyambungan



GET0564-009A
[UN]

0808DTSMDTJEIN
EN, IN

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ENGLISH

This unit is designed to operate on **12 V DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC car audio dealers.

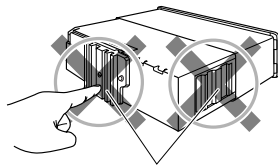
WARNINGS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the unit.

- **Be sure to ground this unit to the car's chassis again after installation.**

Notes:

- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
- It is recommended to connect speakers with a maximum power of more than 50 W (both at the rear and at the front, with an impedance of **4 Ω to 8 Ω**). If the maximum power is less than 50 W, change "AMP GAIN" setting to prevent the speakers from being damaged (see page 14 of the INSTRUCTIONS).
- To prevent short circuits, cover the terminals of the UNUSED leads with insulating tape.
- The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.



Heat sink / Pendingin

INDONESIA

Unit ini didisain untuk beroperasi hanya pada **12 V DC, sistem listrik tanah NEGATIVE**. Jika kendaraan anda tidak memiliki sistem ini, sebuah pembalik tegangan diperlukan, yang mana dapat dibeli di penyalur-penyalur audio mobil JVC.

PERINGATAN

Untuk mencegah hubungan pendek, kami menyarankan anda memutuskan sambungan terminal negatif baterai dan membuat semua sambungan-sambungan listrik sebelum memasang unit.

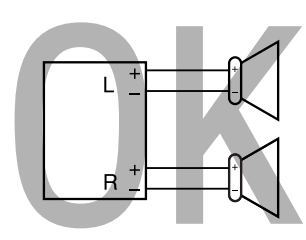
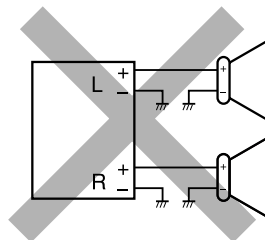
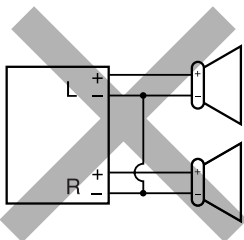
- **Pastikan untuk mentanahkan unit ini ke casis mobil kembali setelah pemasangan.**

Catatan:

- Ganti sekering dengan voltase yang sudah ditetapkan. Jika sekering sering meledak, konsultasikan pada penyalur audio mobil JVC anda.
- Disarankan untuk menghubungkan speaker-speaker dengan maksimum power lebih dari 50 W (keduanya di belakang dan di depan, dengan sebuah impedansi **4 Ω sampai 8 Ω**). Jika maksimum power kurang dari 50 W, ganti pengaturan "AMP GAIN" ("PENAMBAH PENGUAT") untuk mencegah speaker-speaker dari kerusakan (lihat halaman 14 dari BUKU PETUNJUK).
- Untuk mencegah hubungan pendek, tutup ujung-ujung terminal-terminal TIDAK DIGUNAKAN dengan pita isolasi.
- Pendingin menjadi sangat panas setelah digunakan. Hati-hati untuk tidak menyentuhnya ketika memindahkan unit ini.

PRECAUTIONS on power supply and speaker connections:

- **DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.**
- BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.

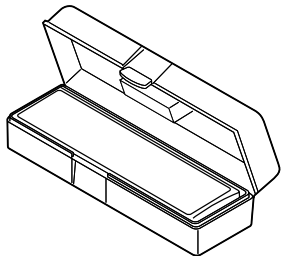


TINDAKAN-TINDAKAN PENCEGAHAN pada suplai power dan sambungan-sambungan speaker:

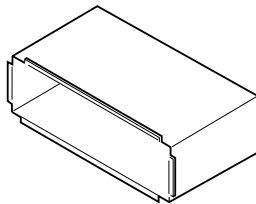
- **JANGAN sambungkan ujung-ujung speaker dari kabel power ke baterai mobil; sebaliknya, unit tersebut akan secara serius rusak.**
- **SEBELUM menyambung ujung-ujung speaker dari kabel power ke speaker-speaker, cek perkabelan speaker dalam mobil anda.**

Parts list for installation and connection

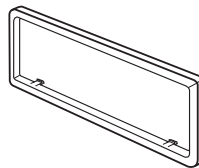
The following parts are provided for this unit. If any item is missing, consult your JVC car audio dealer immediately.



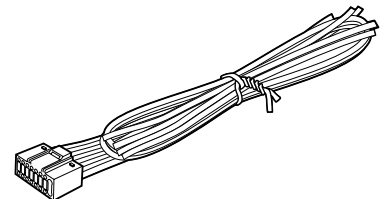
(A) / (B)
Hard case (for KD-R306/KD-R305)/Control panel
Kotak keras (untuk KD-R306/KD-R305)/Panel kontrol



(C)
Sleeve
Selongsong



(D)
Trim plate
Plat rapi



(E)
Power cord
Kabel power

(F)
Washer ($\phi 5$)
Perapat sambungan ($\phi 5$)



(G)
Lock nut (M5)
Mur kunci (M5)



(H)
Mounting bolt (M4 \times 5 mm; M5 \times 12.5 mm)
Baut bingkai (M4 \times 5 mm; M5 \times 12.5 mm)



(I)
Rubber cushion
Bantalan karet



(J)
Handles
Pegangan-pegangan



For KD-R306/KD-R305 / Untuk KD-R306/KD-R305

(K)
Remote controller
Pengontrol jauh



RM-RK50

(L)
Battery
Baterai

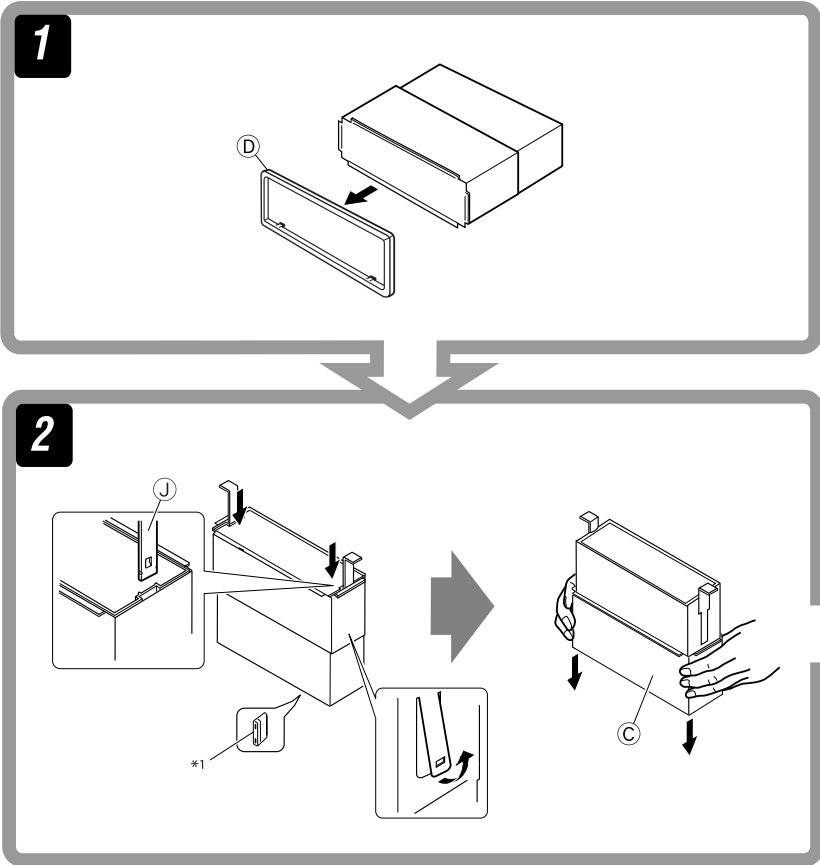


CR2025

INSTALLATION (IN-DASH MOUNTING)

The following illustration shows a typical installation. If you have any questions or require information regarding installation kits, consult your JVC car audio dealer or a company supplying kits.

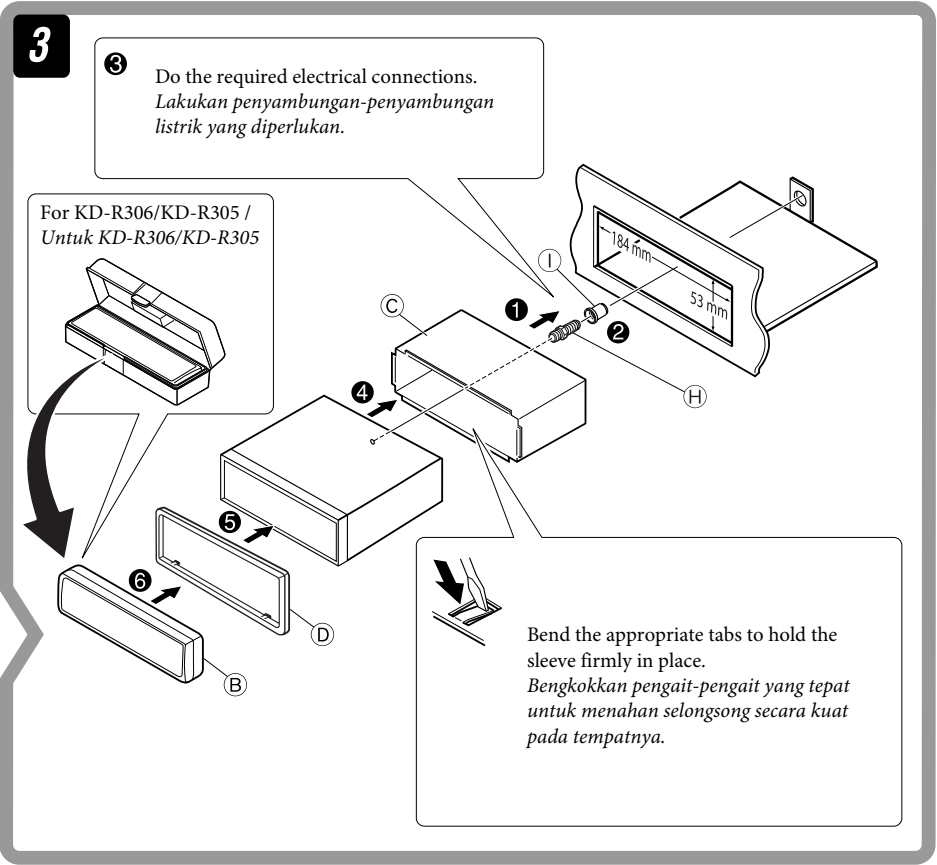
- If you are not sure how to install this unit correctly, have it installed by a qualified technician.



PEMASANGAN (BINGKAI-DALAM DASH)

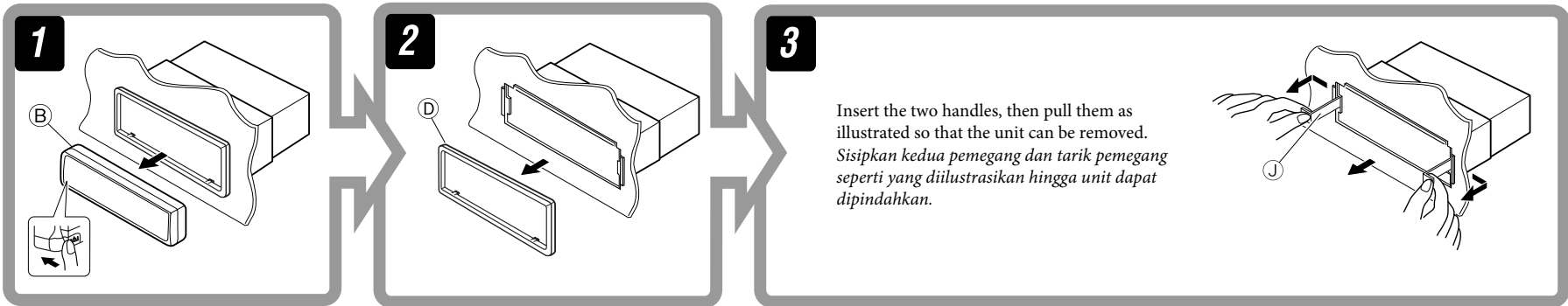
Ilustrasi berikut menunjukkan sebuah tipe pemasangan. Jika anda mempunyai suatu pertanyaan atau informasi yang diperlukan mengenai alat-alat pemasangan, konsultasikan pada penyalur audio mobil JVC atau sebuah perusahaan yang mensuplai alat-alat.

- Jika anda tidak yakin bagaimana memasang unit ini dengan benar, biarkan dipasang dengan teknisi yang berkualitas.



Removing the unit

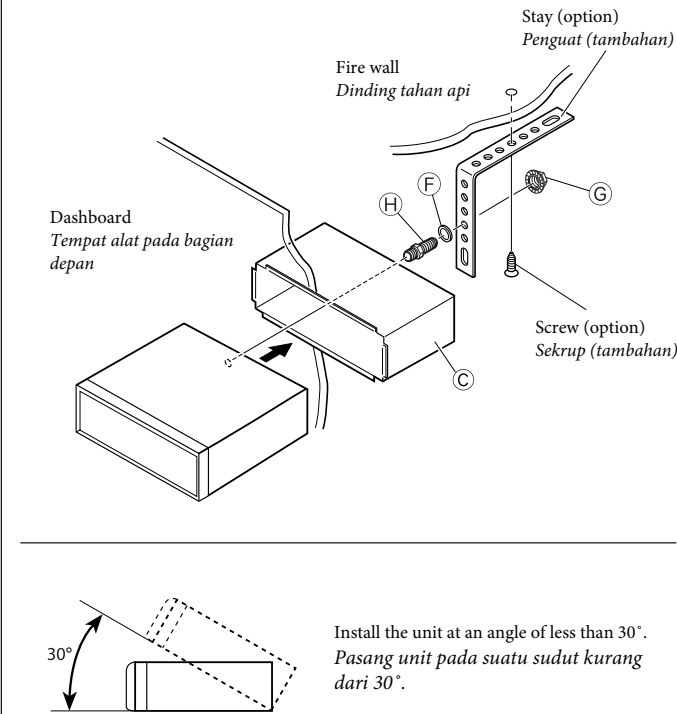
Before removing the unit, release the rear section.



Memindahkan unit

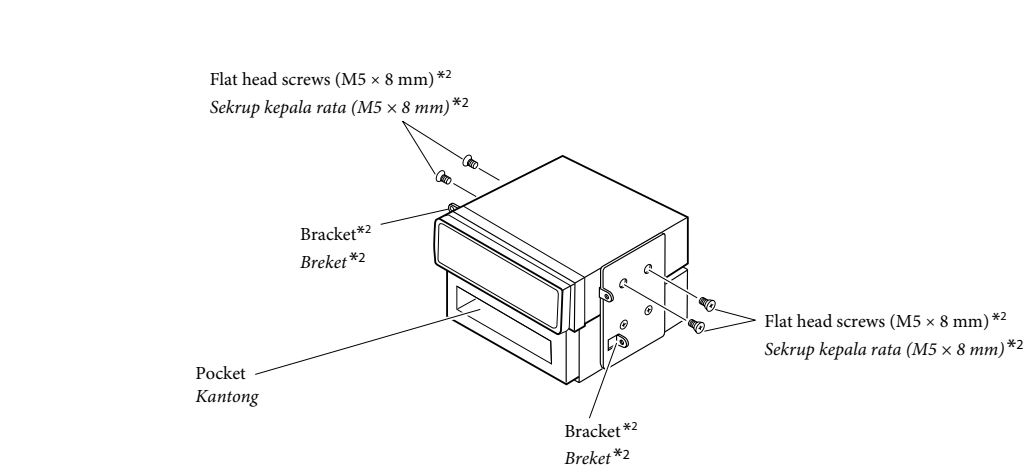
Sebelum memindahkan unit, lepaskan seksi belakang.

When using the optional stay / Ketika menggunakan penguat tambahan



When installing the unit without using the sleeve / Ketika memasang unit tanpa menggunakan selongsong

In a Toyota car for example, first remove the car radio and install the unit in its place.
Dalam sebuah kereta Toyota misalnya, pertama pindahkan radio mobil dan pasang unit tersebut ke dalam tempatnya.



Note
: When installing the unit on the mounting bracket, make sure to use the 8 mm-long screws. If longer screws are used, they could damage the unit.

Catatan
: Ketika memasang unit pada breket bingkai, pastikan untuk menggunakan sekrup-sekrup panjang-8 mm. Jika sekrup yang lebih panjang digunakan, maka dapat merusak unit.

*1 When you stand the unit, be careful not to damage the fuse on the rear.
*2 Not supplied for this unit.

*1 Ketika anda memberdirikan unit, hati-hati untuk tidak merusak sekring di belakang.
*2 Tidak disediakan untuk unit ini.

ELECTRICAL CONNECTIONS

SAMBUNGAN-SAMBUNGAN LISTRIK

A Typical connections / Ciri khas sambungan-sambungan

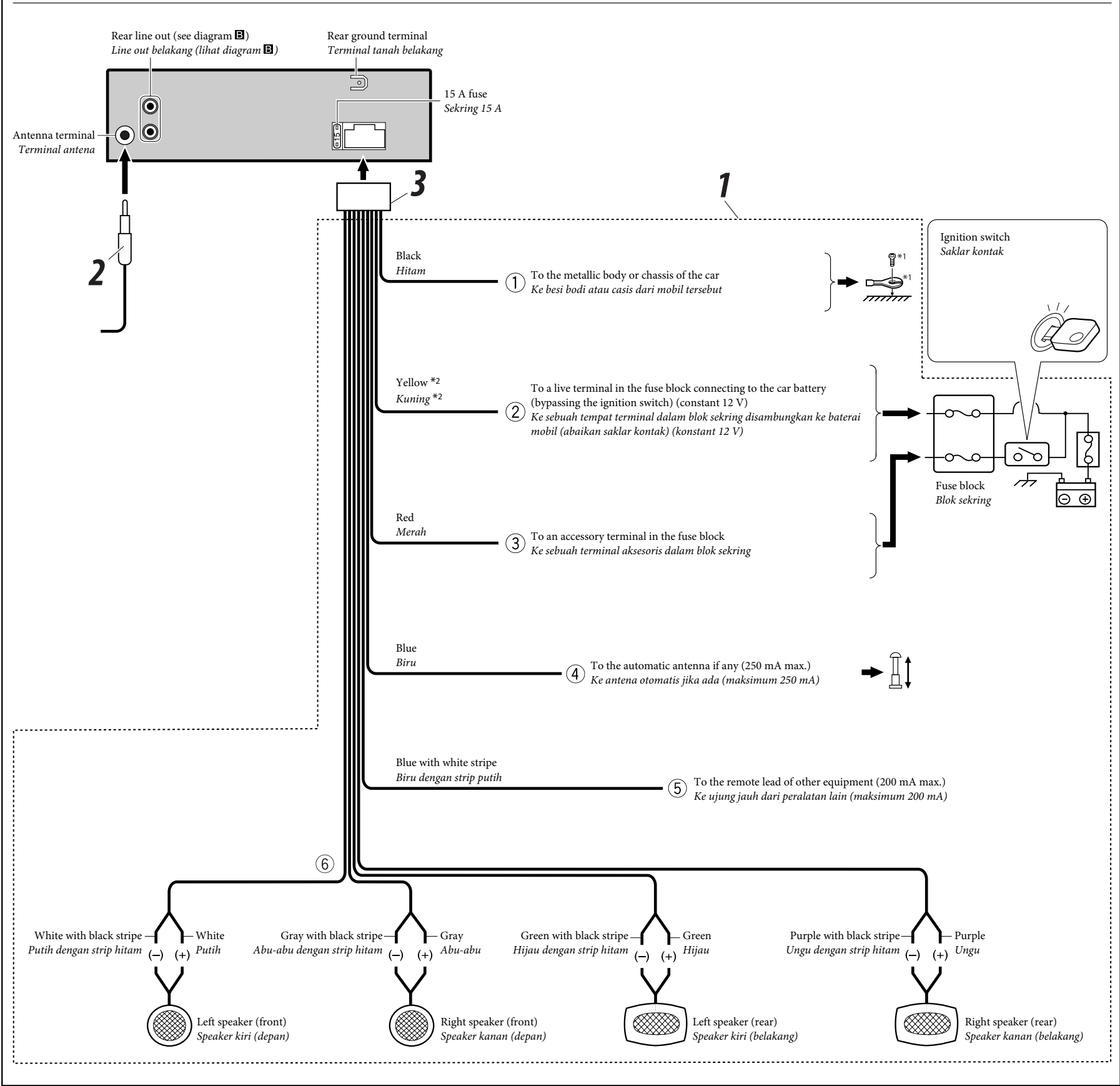
- Before connecting:** Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this unit.

The leads of the power cord and those of the connector from the car body may be different in color.

 - 1 Connect the colored leads of the power cord in the order specified in the illustration below.
 - 2 Connect the antenna cord.
 - 3 Finally connect the wiring harness to the unit.
- Sebelum penyambungan:** Cek perkabelan dalam mobil dengan hati-hati. Penyambungan yang tidak benar mungkin menyebabkan kerusakan serius pada unit.

Ujung dari kabel power dan beberapa konektor dari bodi mobil mungkin berbeda dalam warna.

 - 1 Sambungkan ujung berwarna dari kabel power dalam urutan spesifikasi pada ilustrasi di bawah.
 - 2 Sambungkan kabel antenna.
 - 3 Akhirnya sambungkan kedudukan kabel ke unit.



*1 Not supplied for this unit.

*2 Before checking the operation of this unit prior to installation, this lead must be connected, otherwise the power cannot be turned on.

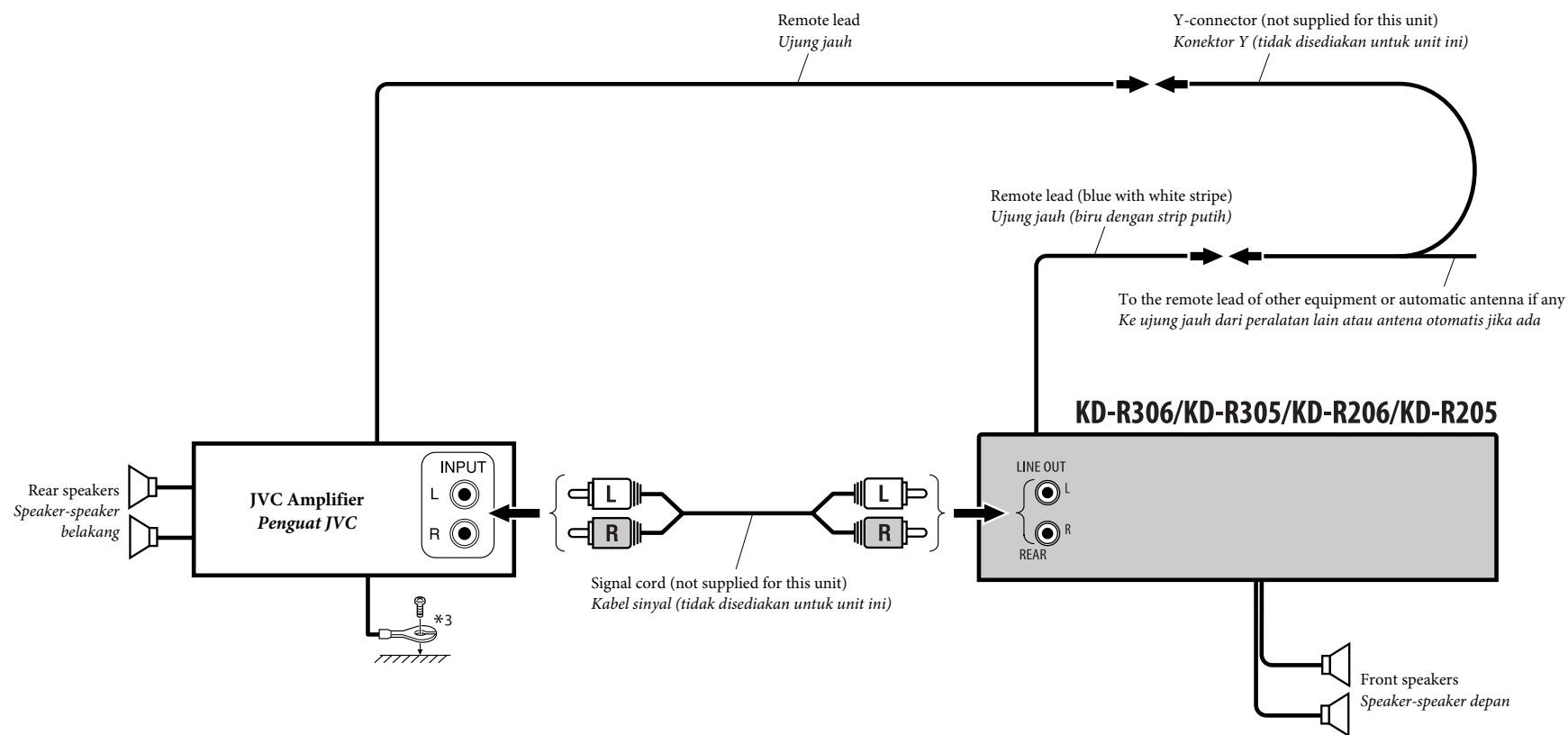
*1 Tidak disediakan untuk unit ini.

*2 Sebelum pengecekan pengoperasian dari unit ini sebelum pemasangan, ujung ini harus sudah dihubungkan, selain itu power tidak dapat dihidupkan.

B Connecting the external amplifier / Penyambungan penguat eksternal

- You can connect an amplifier to upgrade your car stereo system.
- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this unit.
 - **Disconnect the speakers from this unit, connect them to the amplifier. Leave the speaker leads of this unit unused.**

- Anda dapat menyambungkan penguat-penguat untuk meningkatkan sistem stereo mobil anda.
- Sambungkan ujung jauh (biru dengan strip putih) ke ujung jauh dari peralatan lain sehingga dapat dikontrol melalui unit ini.
 - **Putuskan sambungan speaker-speaker dari unit ini, sambungkan ini ke penguat. Biarkan ujung speaker dari unit ini tidak digunakan.**



*3 Firmly attach the ground wire to the metallic body or to the chassis of the car—to the place uncoated with paint (if coated with paint, remove the paint before attaching the wire). Failure to do so may cause damage to the unit.

*3 Pasangkan dengan kuat kabel tanah ke bodi besi atau ke casis dari mobil—pada tempat yang tidak dilapisi cat (jika dilapisi cat, hilangkan cat sebelum memasang kabel). Kegagalan melakukan ini mungkin menyebabkan kerusakan pada unit tersebut.

TROUBLESHOOTING

- **The fuse blows.**
 - * Are the red and black leads connected correctly?
- **Power cannot be turned on.**
 - * Is the yellow lead connected?
- **No sound from the speakers.**
 - * Is the speaker output lead short-circuited?
- **Sound is distorted.**
 - * Is the speaker output lead grounded?
 - * Are the “–” terminals of L and R speakers grounded in common?
- **Noise interfere with sounds.**
 - * Is the rear ground terminal connected to the car’s chassis using shorter and thicker cords?
- **This unit becomes hot.**
 - * Is the speaker output lead grounded?
 - * Are the “–” terminals of L and R speakers grounded in common?
- **This unit does not work at all.**
 - * Have you reset your unit?

PEMECAHAN MASALAH

- **Sekring putus.**
 - * Apakah ujung-ujung merah dan hitam tersambung dengan benar?
- **Power tidak dapat dihidupkan.**
 - * Apakah ujung kuning sudah tersambung?
- **Tidak ada suara dari speaker.**
 - * Apakah ujung keluaran speaker terhubung pendek?
- **Suara terdistorsi.**
 - * Apakah ujung keluaran speaker sudah ditanahkan?
 - * Apakah terminal-terminal “–” dari speaker-speaker L dan R sudah ditanahkan secara umum?
- **Berisik yang mengganggu suara-suara.**
 - * Apakah terminal tanah belakang tersambung ke casis mobil menggunakan kabel-kabel terpendek dan tertebal?
- **Unit menjadi panas.**
 - * Apakah ujung keluaran speaker sudah ditanahkan?
 - * Apakah terminal-terminal “–” dari speaker-speaker L dan R sudah ditanahkan secara umum?
- **Unit ini tidak bekerja secara keseluruhan.**
 - * Apakah anda sudah reset (memasang kembali) unit anda?